रजिस्ट्री सं० डी-(डी)—73

REGISTERED NO. D-(D)—73

# भारत का राजपत्र
# The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 50] नई दिल्ली, शनिवार, दिसम्बर 11, 1976 (अग्रहायण 20, 1898)

No. 50] NEW DELHI, SATURDAY, DECEMBER 11, 1976 (AGRAHAYANA 20, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

**Separate paging is given to this Part in order that it may be filed as a separate compilation.**

## भाग III—खण्ड 2

## PART III—SECTION 2

## पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

## [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 11th December 1976

SPECIAL NOTICE

Fourth Annual Report of the Patent Office for 1975—1976 is now on sale with the Department of Publications State Emporia Building, 'C' Block, Unit No. 21, 1st Floor, Baba Kharag Singh Marg, New Delhi-110001 at the following price per copy :—

| | *Inland* | *Foreign* |
|---|---|---|
| (Hindi version)—Rs. 5.50 | £0.64 or $ 1=98 Cents. |
| (English version)—Rs. 3.75 | £0.44 or $ 1=35 Cents. |

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

The 4th November 1976

2000/Cal/76. The B. F. Goodrich Company. Latex modified portland cement and use thereof in polymerization reactors. (July 19, 1976).

2001/Cal/76. Nestle's Products Limited. Process for preparing a condensed milk.

2002/Cal/76. Colin Douglas West and J. C. H. Geisow. Improvements in or relating to stirling cycle engines. (November 12, 1975).

2003/Cal/76. Siemens Aktiengesellschaft. Digital data processing arrangement, more particularly for railway safety engineering.

2004/Cal/76. L. L. Augspurger. Improvements in reproduction processes cellular bodies. [Divisional date October 19, 1974].

2005/Cal/76. Pandrol Limited. A railway rail-fastening clip and a railway rail-and fastening assembly employing it. (November 7, 1975).

The 5th November 1976

2006/Cal/76. Chinion Gyogyszer ES Vegyeszeti Termekek Gyara RT. A process for the preparation of N-(2-benzhydryl-ethyl)-N- (1-phenyl-ethyl)- amine and optically active forms and salts thereof. [Divisional date September 18, 1975].

2007/Cal/76. Kao Soap Co., Ltd. A composition for increasing yield of pulse.

2008/Cal/76. J. S. Boyden, Jr., W. W. Epstein and P. W. Boyden. Flexible element.

The 8th November 1976

2009/Cal/76. F. L. Smidth & Co. A/S. Kiln plant. (November 17, 1975).

2010/Cal/76. Siemens Aktiengesellschaft. Control pulse generators.

2011/Cal/76. Texaco Development Corporation. Production of clean synthesis or fuel gas.

2012/Cal/76. Lilly Industries Limited. Herbicidal combinations. (November 7, 1975).

The 9th November 1976

2013/Cal/76. Celanese Corporation. Polygalactomannan ether compositions.

2014/Cal/76. The Air Preheater Company Inc. Horizontal modular intergasket seal.

2015/Cal/76. Foseco Trading A.G. Lining slabs. (November 10, 1975).

2016/Cal/76. BP Chemicals Limited. Chemical composition. (November 27, 1975).

2017/Cal/76. Etablissements Nativelle S.A. Method for oxidizing cinchona alkaloids.

2018/Cal/76. The Bendix Corporation. Electrical contact assembly.

2019/Cal/76. Minnesota Mining and Manufacturing Company. Connector.

The 10th November 1976

2020/Cal/76. Vladimir Stepanovich Vitchenko, Gennady Konstantinovich Smirnov and Vladimir Grigorievich Shalaev. Device to electrically, connect rotor winding of synchronous electrical machine to exciter.

2021/Cal/76. Societa' Italiana Telecomunicazioni Siemens S.p.A. Modular distribution frame having sectioning taps.

2022/Cal/76. Gould Inc. Battery cover for facilitating the drawing of liquid from the battery when inverted.

2023/Cal/76. Facet Enterprises, Inc. Engine starter gearing.

2024/Cal/76. Imperial Chemical Industries Limited. Amines. (November 25, 1975).

2025/Cal/76. Societe D'Etudes DE Machines Thermiques—S.E.M.T. Improvements in or relating to a valve cooling and/or lubricating system.

2026/Cal/76. The Bendix Corporation. Electrical contact assembly. [Addition to No. 2018/Cal/76].

2027/Cal/76. Mundipharama A.G. New quinuclidine compounds.

2028/Cal/76. Mundipharma A.G. Novel heterocyclic compounds and pharmaceutical composition containing them.

2029/Cal/76. Mundipharma. A.G. Novel Pharmaceutical preparations.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

The 25th October 1976

373/Bom/76. H. Hamza. High efficiency, high temperature domestic chula with draft control.

The 27th October 1976

374/Bom/76. L. R. Subramanyan. A new maximum demand kilovoltampere meter.

375/Bom/76. R. Seth. A device for firmly locking the lids of pressure vessels such as autoclaves and the like.

The 28th October 1976

376/Bom/76. R. V. Rao Bhagwat. Automatic safety belt for passengers in local trains.

377/Bom/76. A. S. Kothare. Tyre that will not puncture or burst in conditions under which conventional tyre will puncture or burst.

378/Bom/76. Mechelonic welders private limited. A seam-welding machine.

The 29th October 1976

379/Bom/76. The Bombay Textile Research Association. Resist printing formulation for obtaining white/coloured resist printing effects on cellulosic fibre fabrics under reactive and naphtol dyed ground shades.

380/Bom/76. M. P. Registrar. Improvements in or relating to a mechanism for switching off turn-tables and the like.

The 30th October 1976

381/Bom/76. S. K. Patil. An improved door closer unit.

382/Bom/76. Tata Engineering & Locomotive Company Limited. Improvements in or relating to direct injection/prechamber cylinder head of a diesel engine.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

The 3rd November 1976

211/Mas/76. Dr. S. Thankayyan. Climber.

ALTERATION OF DATE

140606.

1753/Cal/76.

Ante-dated 30th January, 1973.

140718.

1126/Cal/75.

Ante-dated 28th December, 1970.

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said peiod of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification respectively".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (Postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 68D. 140601.

Int. Cl H02h 1/00.

IMPROVEMENTS IN OR RELATING TO PROTECTIVE DEVICES FOR ELECTRIC POWER TRANSMISSION SYSTEMS.

*Applicant* : THE GENERAL ELECTRIC COMPANY LIMITED, OF 1 STANHOPE GATE, LONDON W1A 1EH, ENGLAND.

*Inventor* : LEONARDO PEREZ-CAVERO.

Application No. 2582/Cal/73 filed November 23, 1973.

Convention date November 28, 1972/(54834/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A device for use in detecting the occurrence of earth faults within a predetermined distance of the device along a polyphase electric power transmission system comprising means for monitoring the difference between at least one selected parameter and a polarising parameter, wherein the polarising parameter has a predetermined relation with a voltage which, for a fault to earth at a point at a distance not greater than said predetermined distance along the line from said device, has a value equal to the zero-sequence voltage at that point.

CLASS 126D. 140602.

Int. Cl.-G01k 7/00.

A LINEARIZED RESISTANCE BRIDGE TO READ TEMPERATURES DIRECTLY.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : KRISHAN DAYAL BAVEJA, RAM KRISHAN LUTHRA AND PREM PRAKASH BAHL.

Application No. 2822/Cal/73 filed December 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A linearized resistance bridge to read temperatures directly comprising a conventional Wheatstones bridge consisting of four arms, having two ratio arm resistances equal, wherein the third measuring arm gives the resistance of a platinum resistance thermometer forming the foutrh arm, a cell which acts as a source of current, a potentiometric resistance and a key which controls the current which is read in an ammeter and the null point is detected in another galvanometer brought in circuit by a key, characterized in that the measuring arm consists of the following components—a helipot, a resistance (r1), a key, a second helipot and a second resistance (r2), having the second helipot and a second resistance (r2) in parallel and a part resistance of second helipot is in parallel with the first helipot, resistance (r1) and the key, the latter three components being is series, and measuring arm functioning between the variable terminal of the first helipot and one junction of the second helipot and resistance (r2), whereby the resistance reading on the scale of the second helipot is converted to read temperature directly over a certain temperature range say $t_u^{o}$ e and $t_u^{o}$ c such that the zero reading on the scale of the second helipot corresponds to the lower limit $t_u^{o}$c and $t_u^{o}$ c is the upper limit temperature upto which the instrument is valid for a particular combination of the various component values.

CLASS 29D & 206E. 140603.

Int. Cl.-G06f 3/04

A SMALL MICRO PROGRAM DATA PROCESSING SYSTEM EMPLOYING MULTI-SYLLABLE MICRO INSTRUCTIONS.

*Applicant* : BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232 UNITED STATES OF AMERICA.

*Inventors* : ALISDAIR CULLEN FERGUSON (2) JOHN MCGREGOR AND ALASTAIR GEORGE MACPHERSON.

Application No. 806/Cal/74 filed April 9, 1974.

Convention date June 5, 1973/(26,716/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A data processing system including a processor and a memory having a first portion to store macro instructions and data and a second portion to store different types of micro instruction syllables, said processor comprising : macro instruction fetch means coupled to said memory to fetch macro instruction operators from said first memory portion; and micro instruction fetch means coupled to said macro instruction fetch means and to said second memory portion and responsive to a macro instruction operator to fetch from said second memory portion in sequence, two or more micro instruction syllables which are the constituent parts of a micro instruction called for by said macro instruction operator.

CLASS 186E. 140604.

Int. Cl.-G09f 7/00.

DISPLAY PANEL.

*Applicant* : BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

*Inventor* : JAMES ALEXANDER OGLE.

Application No. 1641/Cal/74 filed July 23, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A display panel comprising :

a gas-filled housing;

a plurality of electrode pairs supported on a surface in said housing and oriented in rows;

said electrodes being operable as cathode electrodes, and an anode electrode in operative relation with each row of said cathode electrode pairs;

said anode being operable with each member of said pair separately to comprises separate ionizable gas cells.

CLASS 67C & 206-I. 140605.

Int. Cl.-H04i 15/00.

IMPROVEMENTS IN OR RELATING TO DATE TRANSMISSION SYSTEMS.

*Applicant* : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventor* : ALBERT GLINSBOCKEL.

Application No. 2649/Cal/74 filed November 28, 1974.

Convention date September 5, 1974/(38780/74), U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A data transmission system wherein the transmission of an information signal via an operating channel can be switched over by a switching device under the control of a control unit to a substitute channel, and *vice versa*, when a pilot signal assigned to the information signal breaks down and/or when the signal-to-noise ratio in the transmission channel falls below a predetermined level, wherein a further switching device is provided which under the control of the control unit makes the substitued channel available for an additional information signal when the substitute channel is free, wherein order to enable the additional information signal to be recognised the pilot signal is omitted therefrom, and wherein the control unit controls the further switching device automatically to provide the substitute channel function when the operating channel requests the release of said substitute channel.

CLASS 195B & C. 140606.

Int. Cl.-F16k 31/05, F15b 9/08, 13/02.

PILOT CONTROL VALVE.

*Applicant* : CATERPILLAR TRACTOR CO., OF 100 N.E. ADAMS STREET, PEORIA, STATE OF ILLINOIS 61602, UNITED STATES OF AMERICA.

*Inventors* : DONALD LOUIS BIANCHETTA AND KENNETH RALPH LOHBAUER.

Application No. 1753/Cal/75 filed September 12, 1975.

Division of Application No. 217/Cal/73 filed January 30, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A pilot control valve (10), said valve comprising :

a housing (12);

a cylindrical bore (14) formed in said housing;

inlet (18) and return (22) passages communicating with said bore;

a pilot control passage (28) communicating with said bore;

a valve spool (16) reciprocally mounted in said bore and operative in a neutral position to block communications between said passages and operative upon movement from said neutral position to provide communications between said passages; and

modulating means carried by said spool and operative to provide differential pressure changes in the communication of fluid from the inlet passage to said pilot control passage.

said modulating means comprising a first fixed passage (46) operative upon said movement of said spool from said neutral position to communicate said inlet passage with said pilot control passage, and

a variable area slot (54) formed in said spool and operative to provide variable communication in parallel with said first fixed passage between said inlet passage and said pilot control passage upon continued movement of said valve spool from said neutral position.

CLASS 181 & 195A. 140607.

Int. Cl.-F16k 7/10, 25/00, 41/08.

SEALING MEANS FOR VALVE STRUCTURE.

*Applicant* : ACF INDUSTRIES INCORPORATED, OF 750 THIRD AVENUE, NEW YORK 17, NEW YORK, U.S.A.

*Inventors* : WILLARD EDWARD KEMP AND JERRY BRAIN TOMLIN.

Application No. 1287/Cal/73 filed June 1, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A spherical plug valve structure comprising a valve body having a valve chamber, upstream and downstream flow passage formed in said valve body and communicating with said valve chamber, a ball valve member disposed within the valve chamber, means for moving the valve member between open and closed positions, a pair of seat recesses formed in the valve body on opposite sides of the valve member, a seat assembly mounted within each of said recesses, means biasing the seat assemblies towards the valve member, an annular recess defined in each of the faces of the seal assemblies presented to the valve member said annular recesses extending in a direction generally longitudinal of the flow passages, each of said recesses housing a sealing element having a base portion secured against longitudinal movement within the respective recess, each sealing element having a free lip portion extending into sealing engagement with said valve member, each seat assembly having an annular space defined therein, said space being positioned radially outwardly of said free lip portion with said free lip portion terminating adjacent said annular space, and resilient means disposed in said annular space and engaging said lip portion, said resilient means acting to urge said lip portion into engagement with the valve member, whilst allowing said lip portion to deform into said annular space as the seat assembly and valve member move towards each other.

CLASS 107H. 140608.

Int. Cl-F02m 59/32.

FUEL PUMPING APPARATUS.

*Applicant* : C.A.V. LIMITED, OF WELL STREET, BIRMINGHAM B19 2XF, ENGLAND.

*Inventor* : STANISLAW JAN ANTONI SOSNOWSKI.

Application No. 2074/Cal/73 filed September 11, 1973.

Convention date September 12, 1972/(42272/72), U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A liquid fuel pumping apparatus for supplying fuel to an internal combustion engine the apparatus being of the kind comprising a plunger located within a bore, cam means for effecting movement of the plunger, a fluid pressure operable piston for adjusting the setting of the cam means an axially movable servo-valve for controlling the application of fluid pressure to the piston, said servo valve being subjected to a fluid control pressure generated within the apparatus the apparatus also including a manual control whereby the quantity of fuel supplied to the engine at each injection stroke of the apparatus can be varied, a bore formed in the piston, said bore slidably accommodating said servo valve, passage means conveying said fluid control pressure so that it can act on the valve in opposition to the force exerted by resilient means, a port formed in the wall of the bore and through which fluid can flow to and escape from the cylinder accommodating the piston, a control land on said servo valve for controlling fluid flow through said port, said servo-valve and piston constituting a follow-up servo-system, means coupling said servo-valve with said manual control, said land being shaped so that angular movement of the servo-valve will for a given axial position of the servo-valve effect uncovering of the port thereby to cause axial movement of the piston and adjustment of said cam means.

CLASS 143D$_1$. 140609.

Int. Cl.-B65b 19/22.

DEVICE FOR PREVENTING PRODUCTS PARTICULARLY PACKETS OF CIGARETTES OR SIMILAR PACKETS, FROM REBOUNDING WHEN UNDERGOING A CHANGE OF DIRECTION ON A TRANSFER LINE LINKING TWO MACHINES.

*Applicant* : G. D. SOCIETA' BER AZIONI, FORMERLY KNOWN AS G. D. SOCIETA IN ACCOMANDITA SEMPLICE DI ENZO SERAGNOLI E ARIOSTO SERAGNOLI, OF VIA POMPONIA, 10, BOLOGNA, ITALY.

*Inventor* : ENZO SERAGNOLI.

Application No. 49/Cal/74 filed January 8, 1974.

Appropriate office for oppositon Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A device for preventing products particularly packets of cigarettes or similar, from rebounding when undergoing a change of direction on a transfer line linking two machines for processing the products, the transfer line consisting of at least two conveyor sections placed at an angle to each other and at least one lateral wall disposed along the downstream conveyor section in the direction of product movement and transverse to the upstream conveyor section, characterised in that it comprises at least one packet-contacting roller rotatably mounted on a horizontal spindle for rotation only in a direction resisting counter-movement of the packets, the or each roller being disposed above the upstream conveyor section at a distance away from the lateral wall greater than the dimension of the product in the direction in which it is being moved forward on the upstream conveyor section but less than twice said dimension.

CLASS 107E. 140610.

Int. Cl.-F01n 1/12.

EXHAUST GAS SILENCER.

*Applicant* : R. A. LISTER & COMPANY LIMITED, OF LONG STREET, DURSLEY, GLUCOCESTERSHIRE, GL11 4HS, ENGLAND.

*Inventor* : ALBERTO JORGE MORRIS.

Application No. 1036/Cal/74 filed May 9, 1974.

Convention date August 23, 1973/(39900/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

An exhaust gas silencer, of the kind set forth, in which each baffle plate comprises an inner portion defining part of the

central tube and an outer portion extending between the central tube and the inner surface of the wall of the casing, and the outer portion of each baffle plate meets the inner surface of the wall of the casing along a line which is circumferentially spaced from a radius extending from the longitudinal axis of the central tube through a juncture of the inner and outer portions.

CLASS 148B. 140611.

Int. Cl.-G03b 9/08.

SINGLE SPEED SHUTTER MECHANISM FOR A STILL CAMERA.

*Applicant* : R. M. ARORA & SON (H.U.F.), OF 208, BIPIN BEHARI GANGULI STREET, CALCUTTA-700012, WEST BENGAL INDIA.

*Inventor* : RAHINDER MOHAN ARORA.

Application No. 1611/Cal/74 filed July 19, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A single speed shutter mechanism for a still camera comprising two shutter elements, a leading shutter element behind a following shutter element, in a planes substantially parallel to each other, said shutter elements having respective tension springs, operating means to move leading shutter element to uncover film exposure opening in the camera and means associated with said leading element to trip the following element on moving said leading element by said operating means, an opening in said following element, said opening being adapted to pass between lens opening and the film exposure opening when the leading element has uncovered the latter opening, the shutter elements moving back together under the tension of said springs on the release of said operating means.

CLASS 24F. 140612.

Int. Cl.-F16d 65/02.

DISC BRAKES FOR VEHICLES.

*Applicant* : GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

*Inventor* : GUNTER FINK.

Application No. 1922/Cal/74 filed August 26, 1974.

Convention date September 5, 1973/(41684/73), U.K.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A spreading disc brake of the kind set forth in which a lug on a pressure plate for engagement with a stop abutment in the brake housing is of a thickness in an axial direction greater than that of the remainder of the plate and at least equal to the sum of the axial thickness of the friction linings on a brake disc, whereby the lug remains in alignment with the stop abutment throughout the working life of the friction linings.

CLASS $131B_2$. 140613.

Int. Cl.-E21b 1/06.

BORE HOLE AIR HAMMER.

*Applicant* : BAKERDRILL, INC., OF S.C. 57, 1 MILE SOUTH OF I-85, SPARTANBURG, SOUTH CAROLINA 29301, UNITED STATES OF AMERICA.

*Inventor* : ALFRED RONALD CURINGTON.

Application No. 2387/Cal/74 filed November 1, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

Percussion drilling apparatus comprising a housing structure connectible to a drill string, an anvil in the lower portion of said housing structure and operatively connectible to a drill bit, a hammer piston reciprocable in said housing structure for intermittently impacting against said anvil, means for directing a fluid medium under pressure into said housing structure for action upon said piston to effect reciprocation of said piston in said housing structure said piston having short upper and lower end, sealing portions contacting the inner wall of said housing structure, said piston being relieved along its entire length between said end portions to be free from contact with said inner wall, said relieved length of said piston being substantially greater than the total of the wall contacting length of said end portions, said piston having central passage means therein, and flexible tubular means through which the fluid medium can flow extending into said passage means in relative slidable relation to said piston, said flexible tubular means being capable of being flexed by said piston to permit movement of said piston laterally of the normal axis of said housing structure.

CLASS 40F & 80K. 140614.

Int. Cl.-B01j 1/00.

DISPOSABLE LIQUID CONCENTRATING DEVICE.

*Applicant* : AMICON CORPORATION, OF 25, HARTWELL AVENUE, LEXINGTON, MASSACHUSETTS, UNITED STATES OF AMERICA.

*Inventors* : ELISEO MARIO ZIPILIVAN, WILLIAM FRED BLATT AND HERBERT HEINZ LOEFFLER.

Application No. 1583/Cal/73 filed July 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

An ultrafiltration device for removing liquid vehicle from a liquid vehicle-containing specimen comprising a chamber for containing the specimen and having a rigid impermeable wall through which the amount of specimen in the chamber is visible, in use of the device, an aperture in the chamber for introduction and removal of a specimen, and a wall comprising a membrane permeable to the liquid vehicle, a layer of solid absorbent material capable of absorbing the liquid vehicle disposed adjacent the membrane outside the chamber, and resilient means for resiliently pressing the absorbent material against the membrane.

CLASS $32F_1$ & $F_2b$ & $60X_21$. 140615.

Int. Cl.-C07d 99/00.

PROCESS FOR PREPARING CARBAMATE DERIVATIVES.

*Applicant* : UNION CARBIDE CORPORATION AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

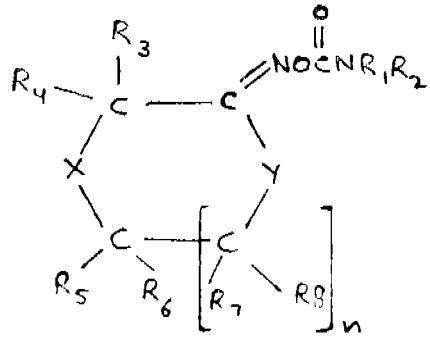
*Inventors* : JOHN APLING DURDEN, JR. AND ARTHUR PETER KURTZ.

Application No. 737/Cal/74 filed April 2, 1974.

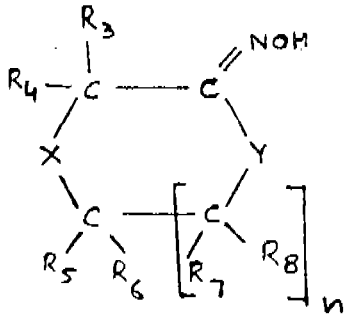
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process of preparing a compound of the general formula shown in Fig. 1.



which comprises reacting a compound of the formula shown in Fig. 2.



with phosgene and thereafter reacting the resultant carbamoyl chloride compound with a compound of the formula $R_1R_2NH$.

wherein :

$R_1$ and $R_2$ may be the same or different and may be hydrogen, lower alkyl, halogen substituted lower alkyl, cycloalkyl, lower alkoxyalkyl, lower alkylthioalkyl, lower alkylsulfinylalkyl, lower alkylsulfonylalkyl, lower alkenyl, lower alkynyl, aryl, aryl substituted with one or more halogen, lower alkyl or lower alkoxy substituents, lower alkanoyl, alkoxy or halogen substituted lower alkanesulfenyl with the proviso that when $R_1$ is lower alkoxy, lower alkanoyl or halogen substituted lower alkanesulfenyl, $R_2$ is hydrogen, lower alkyl or halogen substituted lower alkyl;

$R_3$, $R_4$, $R_5$, $R_6$, $R_7$ and $R_8$ may be the same or different and may be hydrogen, alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, alkylsulfinylakyl, or alkylsulfonylalkyl, with the proviso that no one substituent group may contain more than six carbon atoms;

X and Y may be O, S, SO or $SO_2$ with the proviso that X or Y is 0 and when X is 0, Y is other than 0 and when Y is 0, X is other than0; and

n is 0 or 1.

CLASS 199$F_4$ & $F_5$ 140616.

Int. Cl.-D03j 5/00.

A UNIVERSAL CUTTING AND GRINDING MACHINE FOR REPAIRING USED SHUTTLES.

*Applicant* : THE TEXTILE AND ALLIED INDUSTRIES RESEARCH ORGANISATION, OF KALA BHAVAN PREMISES, BARODA-1, GUJARAT, INDIA.

*Inventors* : BHAGVATI PRASAD BALUBHAI JOSHI.

Application No. 213/Bom/73 filed June 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

15 Claims

A universal cutting and grinding machine for repairing used shuttles incorporating means for planing the wall surfaces of the shuttles and for grinding the shuttle tips as also for polishing said tips and milling said surfaces and also for drilling, comprising an extended spindle, a cutter at one end of said spindle, said cutter being preferably in a housing, the cutter and the housing constituting a cutter assembly, said cutter being for planing surfaces of the three sides of the shuttle, two adjustable holders for fixing the shuttle therebetween (and opposite said cutter), means to move to and fro as also upwards and downwards the shuttle held in said holders and means to keep the shuttle in horizontal position; a grinding wheel mounted at the other end of said spindle, two brackets to rest shuttle ends there between means to adjust the shuttle between said brackets at an angle requisite for grinding the shuttle tip at the desired angle, means to move the shuttle tip, which is being ground, to and from the grinding wheel and means to rotate said shuttle.

CLASS 58D & 97F & 160C & 206A. 140617.

Int. Cl.-H05b 3/06, B06b 7/60, H01q 1/44, 1/22, 1/32, B60t 1/20.

WINDOW PANE FOR VEHICLES.

*Applicant* : SAINT-GOBAIN INDUSTRIES, OF 62 BOULEVARD VICTOR HUGO, 92209 NEUILLY SUR SEINE, FRANCE.

*Inventor* : GERD SAUER.

Application No. 2841/Cal/73 filed December 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A window pane for a vehicle comprising a transparent sheet having a conducting assembly capable of acting as a radio antenna and capable of carrying a heating electric current extending thereacross, the assembly comprising collectors between which are connected resistance heating elements, the assembly being positioned in a central region of the pane which is sufficiently remote from the edges of the pane for its impedance to be substantially unaffected by the vehicle body when the pane is mounted therein, and the collectors having extensions having no resistance elements connected therebetween whereby the assembly is tuned to receive radio signals in the frequency modulated waveband.

CLASS 136C & 208. 140618.

Int. Cl.-B29f 3/00, B43k 1/00.

A PROCESS FOR THE MANUFACTURE OF RODS HAVING INTERNAL CAPILLARY DUCTS, AND THERMOPLASTIC RODS SO OBTAINED.

*Applicant* : GLOBAL CONTROL CORPORATION, OF 15, BOULEVARD ROYAL, LUXEMBOURG.

*Inventors* : ERMENEGILDO GALLONE AND FRANCESCO MAZZIER.

Application No. 949/Cal/74 filed April 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A process for manufacturing a thermoplastic rod having internal capillary ducts, for making pen nibs with capillary ink passages, comprising heating a mass of thermoplastic material to a temperature higher than that at which it fuses, extruding from said mass of thermoplastic material a rod through a die so shaped as to form inside the rod longitudinal opening comprising a plurality of ducts of starshaped cross section with at least some of said inner edges protruding *i.e.* approaching one another, cooling the extruded rod to a temperature lower than that at which the thermoplastic material fuses, and mechanically drawing the cooled rod to reduce its outside diameter and also to reduce the width of said ducts, to contact said inner protruding edges and thereby to increase the capillarity of said ducts and to allow a fine script without vibration of the pen nib.

CLASS 70$C_4$ & 103. 140619.

Int. Cl.-C22b 39/00.

NOVEL METHOD OF PLATING CHROMIUM ON STEEL RIM OF BICYCLE OR SIMILAR OTHER ROAD VEHICLES.

*Applicant & Inventor* : MADHU SUDAN CHAKRAVORTY, OF F-219, LAKE TERRACE EXTENSION CALCUTTA-29, WEST BENGAL, INDIA.

Application No. 2046/Cal/74 filed September 13, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

A method of plating chromium on steel rim of bicycle or similar other road vehicles without any precoating of nickel

deposit on such rim, comprising electro-depositing chromium directly on such rim, characterised in that chromic acid of concentration more than what is normally used in the case of chromium plating with nickel precoating, is employed with the addition of iron oxide, the rim is entirely surrounded at both its inner and outer surfaces by a correspondingly shaped anode, and prior to direct plating of chromium on the rim the latter is held in the bath and is subjected to reverse polarity so as to create a metallurgical base on the surfaces of the rim.

CLASS 63F. & G & 107J. 140620.

Int. Cl.-F02n 11/00.

STARTER MOTORS FOR INTERNAL COMBUSTION ENGINES.

*Applicant* : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM 19 ENGLAND.

*Inventor* : CHRISTOPHER PETER SQUIRES.

Application No. 2186/Cal/74 filed September 28, 1974.

Convention date October 9, 1973/(47068/73) U.K.

Appropriate office for oppositon Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A starter motor for an internal combustion engine, including an electric motor, a shaft rotated by the motor, a pinion gear wheel assembly rotatable with said shaft and movable axially on said shaft between an operative position, and a rest position, an electromagnet including an armature spaced from and movable parallel to said shaft, and a lever assembly supported intermediate its ends for pivotal movement about an axis which lies at right angles to and passes between the axes of the shaft and the electromagnet, the lever assembly connecting the armature and the pinion assembly so that the pinion assembly can be moved between said rest and operative positions by said armature, resilient means urging the armature to a rest position, said lever assembly including a first resilient element having one end engaging the armature and its other end engaging the pinion assembly, said first resilient element being weaker than said resilient means whereby in the event that the pinion gear wheel assembly is held in its operative position when the electromagnet is de-energised the armature can be returned to its rest position by said resilient means as permitted by flexure of said first resilient element, and said lever assembly further including a second resilient element, said second resilient element being so arranged with respect to said first resilient element that said second resilient element supports said first resilient element only during movement of the lever assembly to push the pinion gear wheel assembly to its operative position the combined strength of the first and second elements being insufficient to prevent movement of the armature under the action of said electromagnet should the pinion gear wheel assembly, be held against movement to its operative position, whereby the first and second lever elements will be flexed by movement of the armature and will thus provide sufficient force to move the pinion gear wheel to its operative position when the impediment to movement of the pinion gear wheel assembly is removed.

CLASS 205B. 140621.

Int. Cl.-B60c 15/02.

IMPROVEMENTS IN OR RELATING TO THE MANUFACTURE OF BEAD WIRE RING FOR REINFORCING TYRES.

*Applicant & Inventor* : SITANGSHU SEKHAR CHATTERJEE, OF 43, DIAMOND HARBOUR ROAD, CALCUTTA-8, WEST BENGAL, INDIA.

Application No. 2239/Cal/75 filed November 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Bead wire rings for reinforcing tyres, the ends of which are held together by means of a collar fitted theron, characterized in that the ends of the wire are formed into knurls and a collar is fitted onto the said knurled surface by application of pressure.

CLASS 155D & F. 140622.

Int. Cl. C08g 51/00, 51/02, 51/22, 51/54, 51/74.

METHOD OF COMPOUNDING THERMOPLASTIC POLYMERIC MATERIAL AND FILLER.

*Applicant* : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : BRUCE CAMERON HULL, BURTON THORNLEY MACKENZIE, JR. AND EDWARD VINCENT WILKUS.

Application No. 982/Cal/73 filed April, 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

An improved two stage method of preparing a polymeric blend by compounding thermoplastic polymeric material and filler with at least one treating agent selected from the groups consisting of an alkyl alkoxy silane and an organosiloxane characterized by the sequence of steps of :

(a) mixing and heating ingredients comprising the thermoplastic polymeric material and filler in a mixing unit to substantially blend the filler throughout the polymeric material ; and

(b) thereafter transferring the said mixed blend comprising polymeric material and filler to a separate mixing unit and then adding atleast one treating agent selected from the group consisting of an alkyl alkoxy silane and an organosiloxane and again mixing the blended ingredients to disperse the said treating agent through the blend of ingredients.

CLASS 32F&d. 140623.

Int. Cl. G07c 49/00.

PROCESS FOR THE PREPARATION OF KETONES.

*Applicants* : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ. B. V. OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

*Inventors* : ANTHONY LESLIE FARRAGHER.

Application No. 1676/Cal/73 filed July 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

39 Claims. No drawings.

A process for the preparation of ketones, characterized in that a primary mercaptan having a $-CH_2-CH_2-SH$ group attached to a carbon atom and/or a secondary mercaptan is reacted with water in the presence of a supported sulphidic catalyst containing one or more metals of Group V B and VI B of the Periodic Table and/or manganese and—as a promoter—one or more metals of Group VIII of the Periodic Table.

CLASS 23A & 145D. 140624.

Int. Cl. D 21h 1/00.

IMPROVEMENTS IN OR RELATING TO MANUFACTURE OF CORRUGATED PAPER AND/OR BOARD.

*Applicants & Inventor* : BHUPATRAI KESHAVALAL DOSHI, "NISHAN" OF 6, PODDAR ROAD, SANTA CRUZ (WEST), BOMBAY-54, STATE OF MAHARASHTRA, INDIA.

Application No. 313/Bom/73 filed September 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A process for the manufacture of corrugated paper and board used for making packing cases, boxes and containers by joining a 2-ply corrugated paper and/or board by the use of glue or stapples to another 2-ply corrugated paper and/or

board so that the grooves of each of the two 2-ply corrugated paper and/or board overlap each other giving an appearance of three ply corrugated paper and/or board.

CLASS 128G & K. 140625.

Int. Cl. A61b 17/00.

LASER BEAM MANIPULATOR DEVICE.

*Applicant & Inventor* : UZI SHARON, OF 12 EFTER STREET, RAMATAVIV, ISRAEL.

Application No. 2254/Cal/73 filed October 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A laser beam manipulator device comprising :

an enclosure :

an opening in said enclosure defining therein a working area in which may be received an object to be treated.

means for receiving the laser beam within said enclosure and for conducting it to said opening; and

means for intercepting the laser beam adjacent the opening, whereby the beam is prevented from emerging through the opening in the enclosure.

CLASS 90F. 140626.

Int. Cl. C03c; 27/12.

A PROCESS AND APPARATUS FOR THE MANUFACTURE OF FLAT GLASS.

*Applicant* : PILKINGTON BROTHERS LIMITED, OF PRESCOT ROAD, ST. HELENS, LANCASHIRE, ENGLAND.

*Inventors* : HAROLD BARRY MILNES.

Application No. 2397/Cal/73 filed October 30, 1973.

Convention date October 31, 1972 (50170/72), U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A method of manufacturing flat glass in ribbon form of thickness in the range 5.5 mm to 8 mm on a molten metal bath, comprising pouring molten glass on to the bath to feed a layer of molten glass advancing along the bath, and laterally confining the edges of that layer as the glass is advanced under the influence of tractive effort discharging the ribbon from the outlet end of the bath characterised by pouring molten glass on to the bath at a rate of at least 3,000 tonnes per week, and discharging the ribbon from the bath at a speed of at least 380 meters per hour thereby imposing initial acceleration on the laterally confined glass to form an accelerating body of molten glass of thickness greater than the desired thickness, and then permitting unconstrained lateral movement of the edges of the advancing ribbon as the glass is accelerated to the high speed of discharge of the ribbon from the bath and is thereby attenuated to the desired thickness.

CLASS 39G. 140627.

Int. Cl. C01f; 11/22.

IMPROVEMENTS IN OR RELATING TO REMOVAL OF PHOSPHORUS AND IRON FROM FLUORSPAR.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : GURDIAL SINGH, MANIK LAL DEY, PAYYALORE VAIDYANATHAN RAMAN, HIRENDRA KUMAR CHAKRABARTI & VISWANATH ANANT ALTEKAR.

Application No. 2614/Cal/73 filed November 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for the production of fluorspar containing phosphorus pentoxide and ferric oxide less than 0.05% and 0.25% respectively from impure fluorspar concentrate containing phosphorus pentoxide and ferric oxide upto 2.12% and 2.0% respectively by subjecting the impure fluorspar to filtration and drying characterised in that prior to filtration and drying, the impure fluorspar is subjected to leaching by reacting the impure fluorspar concentrate in a single leaching step with an aqueous solution containing a mixture of :—

hydrochloric acid up to 410 gm/1
ferric chloride up to 150 gm/1
phosphoric acid up to 35 gm/1
calcium chloride up to 300 gm/1
and hydrofluoric acid up to 2 gm/1.

at temperature between 30°C to 95°C for a duration ranging from 10 to 60 minutes.

CLASS 206E. 140628.

Int. Cl. H01l; 19/00.

A SEMICONDUCTOR MEMORY DEVICE.

*Applicant* : TEXAS INSTRUMENTS INCORPORATED, OF 13500 NORTH CENTRAL EXPRESSWAY, DALLAS, TEXAS, UNITED STATES OF AMERICA.

*Inventors* : WILLIAM MILTON GOSNEY JR. & RICHARDSON, TX.

Application No. 2753/Cal/73 filed December 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A semiconductor memory device including a monocrystalline semiconductor substrate of one conductivity type having an electrically isolated floating gate overlying said substrate, electron injector means in said substrate at least partially underlying said gate, hole injector means in said substrate spaced from said electron injector means in said substrate spaced from said electron injector means and at least partially underlying said gate, characterised in that said substrate also includes first and second pockets of opposite conductivity type at least partially underlying said gate, spaced apart from said electron injector having electrical contacts fixed thereto for the purpose of providing means to "read" the presence or absence of charge stored in said floating gate.

CLASS 116G & H. 140629.

Int. Cl. B66b; 7/00.

MECHANICAL COUPLING MEANS.

*Applicant* : CLARKE CHAPMAN-JOHN THOMPSON LIMITED, OF VICTORIA WORKS, GATESHEAD, COUNTY DURHAM NE8 3HS, ENGLAND.

*Inventors* : STANISLAW MAKOSINSKI.

Application No. 23/Cal/74 filed January 4, 1974.

Convention date January 6, 1973 (903/73), U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

6 Claims

A mechanical coupling means comprising first and second members having surfaces engaged to each other, said engaging surfaces allowing shear loads to be transmitted between the members, characterised in that spring bushes are accommodated in engagement with both the members and in between said engaging surfaces, and that each said bush is shaped

so that the external diameter thereof is greater at intermediate portion than at the ends so that rocking of the bushes is permitted in between said engaging surfaces, thus allowing slight canting of one of said members relative to the other without loss of ability of transfer the torque loads, whereby both torque and shear loads are transmitted, and torque loads at least are transmitted through the coupling means by said spring bushes.

CLASS $32F_3b$. & $60X_5d$. 140630

Int. Cl. C07d; 27/64.

PROCESS FOR THE PREPARATION OF METHYL 3-(2-QUINOXALINYLMETHYLENE), CARBAZATE $N^1$, $N^4$- DIOXIDE.

*Applicant*: PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

*Inventors*: DONALD ERNEST KUHLA,

Application No. 355/Cal/74 filed February 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings

A process for the preparation of methyl 3-(2-quinoxalinylmethylene) carbazate $N^1$ $N^4$- dioxide which comprises contacting methyl 3 -(2-quinoxalinylmethylene) carbazate with at least about 2 equivalents oxidizing agent in reaction, inert solvent at a temperature of from about 20°C. up to 100°C. until reaction is substantially complete, said oxidizing agent being selected from the group consisting of peracetic acid, perbenzoic acid, *m*-chloro-perbenzoic acid, perphthalic acid, performic acid, trifluoroperacetic acid and hydrogen peroxide.

CLASS 143D1 & $D_3$. 140631

Int. Cl. B65b; 11/52.

A BLISTER PACKAGING MACHINE.

*Applicant*: LARSEN & TOUBRO LIMITED, OF SAKI VIHAR ROAD, P.O. BOX 8901, BOMBAY-72, MAHARASHTRA, INDIA.

*Inventor*: ASHOK JAYANTILAL KOTHARI.

Application No. 159/Bom/74 filed April 24, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A blister packaging machine comprising one or more upright supports on which are mounted a rotatable vacuum forming drum provided with radial cavities on its periphery, a heating unit having a radial heating zone relative to the forming drum and disposed adjacent said forming drum and in spaced—apart relationship therewith so that a rigid plastic film such as pvc, drawn from a film supply roll on the forming drum is radially heated and the softened film suction drawn into said radial cavities to form bubbles; an air cooling means provided beyond the heating unit a vibratory hopper and a rotary allocator provided in the proximity of said forming drum for filling the bubbles with products to be packaged while said film is located on the drum: a heat sealer unit located adjacent said vacuum forming drum and provided with self adjusting mechanism for moving into contact with said vacuum forming drum and sealing an aluminium foil paper or another rigid plastic film drawn from a feeder roll to said film to form a sealed continuous strip located on the forming drum with its bubbles filled with the products to be packaged to form a sealed continuous blister; air cooling means provided after the sealer to cool the finished pack; a blanking die cut unit for cutting the sealed continuous strip produced by the heat sealer unit into strips of predetermined size; and a control panel for automatically operating said heating unit, said vacuum forming drum, vibratory hopper heat sealer unit and said blanking die cut unit.



CLASS 47A. 140632

Int. Cl. C10b 49/02.

AN IMPROVEMENT IN THE PROCESS FOR THE PRODUCTION OF SEMICOKE AND A FUEL GAS HAVING CALORIFIC VALUE OF ABOUT 4,000 KCAL/$NM^3$.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors*: POKKUNURI SATYANARAYANA MURTI, RAMCHANDRA NAGESHRAO PARLIKAR, NERUR NATARAJAN RAMAKRISHNAN, KALIGOTIA SESHAGIRI RAO, GURUBACHAN SINGH SIDHU, RAJAGOPALAN VAIDYESWARAN AND KONDAPURAM VIJAYA RAGHAVAN.

Application No. 1234/Cal/74 filed June 6, 1974.

Appropriate office for opposition Proceedings ( Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An improvement in the process for the production of semicoke and a fuel gas having calorific value of about 4,000 Kcal/$Nm^3$ by (i) drying and or oxidizing coal or lignite in a dryer with hot gases, (ii) treating the dried material in a devolatilization chamber with hot gases, (iii) passing the gaseous and vapour products of devolatilisation along with hot gases in step (ii) through a dust separator condenser, and an entrainment separator for cleaning the gas from dust, and condensible matter present in it and (iv) cooling the semi-coke formed in step (ii) to about 30-120°C by passing the cleaned gas from step (iii) characterised in that a part of the cleaned gas from step (iii) and gas from step (iv) above is fed to a pebble heater to heat it to a temperature of about 600-1000°C and supplying the same to the devolatilization chamber.

**CLASS 55F & 83A & B. 140633**

Int. Cl.-A231 3/00, A01n 9/00.

METHOD OF PRESERVING A VENDIBLE PRODUCT FROM ATTACK BY PEST RODENTS.

*Applicant*: ROHM AND HAAS COMPANY, OF INDEPENDENCE MALL WEST, PHILADELPHIA, UNITED STATES OF AMERICA.

*Inventors*: JAMES EDGAR WARE, EDWARD ESSEX KILBOURN and DAVID LEE PEARDON.

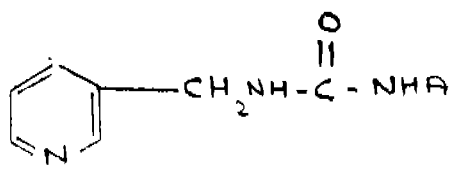
Application No. 1981/Cal/74 filed September 4, 1974.

Convention date September 4, 1973/(41441/73) U.K.

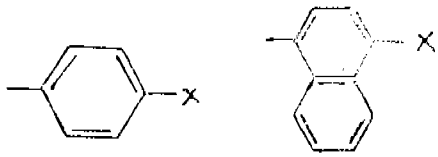
Appropriate office for opposition Procedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method of preserving a vendible product from attack by pest rodents which comprises exposing a rodenticidally effective amount of a rodenticide (a) in the vicinity of a population of pest rodents liable to attack said vendible product and (b) in a place where the rodenticide may easily be reached and ingested by the pest rodents wherein said rodenticide comprises or consists of at least one 1-(3-pyridylmethyl)-3- (4'-substituted-phenyl or -naphthyl) urea of the formula I.



wherein A is the group of formula IA or IB.



I A



I B

wherein X is $-NO_2$, -CN, $-CF_3$, $-C(O)R_1$ wherein $R_1$ is $C_1$ to $C_4$ alkyl, $-SR_2$ wherein $R_2$ is hydrogen or $C_1$ to $C_4$ alkyl, or $-SO_2Y$ wherein Y is $C_6H_5$ or $-NR_3R_4$ wherein $R_3$ and $R_4$ are the same or different and are hydrogen, methyl or ethyl.

CLASS 55D$_2$ & 60X$_1$. 140634

Int. C1.-A01n 7/04, A01n 9/02, 9/20, 9/24, A01n 9/36.

PROCESS FOR PREPARING SYNERGISTIC NEMATOCIDAL COMPOSITIONS.

*Applicant*: THE DOW CHEMICAL COMPANY, OF MIDLAND, COUNTY OF MIDLAND, STATE OF MICHIGAN, UNITED STATES OF AMERICA.

*Inventor*: FRANCES CAROLYN O'MELIA.

Application No. 2789/Cal/74 filed December 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings

A process for preparing a synergistic nematocidal composition which comprises mixing 1 part by weight of 2-chloro-6-methoxy- 4- (trichloromethyl)- pyridine which from 1/32 to 10 parts by weight of phenyl N, N'-dimethylphosphorodiamidate.

CLASS 55F. 140635

Int. C1.-B29c 6/02.

A PROCESS FOR MICROENCAPSULATING CHOLESTERIC MATERIAL FOR USE AS A LIQUID CRYSTAL THERMAL DEVICE.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG NEW DELHI-1, INDIA.

*Inventors*: VISHNU GANESH BHIDE, SUBHAS CHANDRA & SUKHMAL CHAND JAIN.

Application No. 678/Cal/75 filed April 3, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings

A process of micro-encapsulating a cholesteric liquid crystal materials such as esters of cholesterol or an inorganic salt of cholesterol such as cholesteryl chloride by dissolving the liquid crystal material in a solvent followed by thoroughly agitating the mixture characterized in that nitrocellulose dissolved in amyl acetate is added to the dissolved liquid crystal material.

CLASS 61A & I. 140636

Int. C1.-F26b 3/02, 17/32.

A METHOD OF DRYING TEA LEAVES AND A DEVICE FOR CARRYING OUT THE SAID METHOD.

*Applicant & Inventors*: (1) CHIRANJILALJI HARIPRASAD, OF "GANGA", NO. 90, MOWBRAYS ROAD, MADRAS-600018, TAMIL NADU, INDIA AND (2) RANGANATHAN RAMESH, 42, SECOND TRUST MAIN ROAD, MANDAVELLIPAKKAM, MADRAS-600 028, TAMIL NADU, INDIA.

Application No. 201/Mas/73 filed December 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch.

4 Claims

A method of drying tea leaves comprising the steps of heating a closed, rotatable, drum provided internally with at least one spiral vane; rotating the drum at a low speed; opening the drum at one end thereof and charging it with a batch of the tea leaves to be dried; closing the drum so as to isolate its interior from atmospher; evacuating the drum of a portion of its air content for reducing air-pressure within it, so as to cause said tea leaves, while being moved by the said spiral vane to the other end of the drum during rotation thereof, to get dried during such movement in the heated low-pressure interior of the said drum opening the drum at the other end thereof for permitting the dried tea leaves collecting threat to be discharged from the said drum; and repeating the same steps for fresh further batches of tea leaves.

CLASS 50B. & D. 140637.

Int. C1.-F24f 3/08.

A WATER DISTRIBUTION TRAY FOR USE WITH AN AIR COOLER.

*Applicant & Inventor*: RAM NARAIN KHER, OF D-24, DEFENCE COLONY, NEW DELHI-110024 INDIA.

Application No. 2606/Cal/74 filed November 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A water distribution tray for use with an air cooler comprising a base provided with a plurality of series of holes or perforations, each of said series of holes or perforations being provided adjacent the side walls of said try, a depending or guide member having side walls and lips formed at its delivery end is provided with the underside of said base plate for each of said series of holes or perforations, said depending members disposed at an angle of less than 90° with respect to said base plate, the centre of said holes falling with their respective depending members.

CLASS 68E$_3$ & 206E. 140638

Int. Cl.-H01j 61/80, H05b 41/34.

FLASHING LAMP CIRCUITS.

*Applicant*: C.A.V. LIMITED, OF WELL STREET, BIRMINGHAM 19, ENGLAND.

*Inventors*: GORDON HARRIS LEONARD AND ANTHONY JOHN RAMSHAW.

Application No. 1949/Cal/73 filed August 24, 1973.

Convention date August 31 1972/(40360/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A flashing lamp circuit of the kind specified including a warning lamp, a transistor switch operable to cause illumination of said warning lamp when said contact means is open, voltage sensing means for sensing the voltage developed across said resistor, a capacitor associated with said voltage sensing means and which is charged by the voltage sensing means in the event that the voltage across said resistor falls below a predetermined value when said contact means is closed, the voltage across said capacitor acting to prevent said transistor switch operating to cause illumination of the warning lamp when said contact means is opened.

CLASS 170D. 140639

Int. C1.-C11d 9/00.

DETERGENT BARS.

*Applicant*: HINDUSTAN LEVER LIMITED, OF 165-166, BACKBAY RECLAMATION, BOMBAY-1, INDIA.

*Inventor*: (1) NORMAN HALL, (2) ALEXANDER MARTIN & (3) ALAN DIG BY TOMLINSON.

Application No. 9/Bom/74 filed January 9, 1974.

Convention date January 15, 1973/(1994/73), U.K.

Appropriate office for opposition Proceedings (Rule 4, **Patents Rules, 1972) Patent Office, Calcutta.**

12 Claims. No drawings

A detergent bar comprising

A. from 5% to 55% by weight of moisturising compound or compounds selected from the groups.

(i) dicarboxylic acid with the formula

COOH-Y-COOH

and their water soluble salts, wherein Y is a hydrocarbon group containing from 2 to 8 carbon atoms which may be linear or branched, saturated or unsaturated,

(ii) hydroxy acids with the formula

$R_1R_2C(CH)OOH$

and their water soluble salts, wherein $R_1$ and $R_2$ are each hydrogen or a short chain ($C_1$ to $C_4$) alkyl or alkenyl group, or $-CH_2COOH$, or $-CH(OH)COOH$

(iii) amino acids with the formula

$R_1R_2C(NH_2)COOH$

and their water soluble salts, wherein $R_1$ and $R_2$ are each hydrogen, an alkyl or alkenyl group, a hydroxyalkyl or hydroxyalkenyl group, a carboxy alkyl or carboxyalkenyl group, an amino alkyl or amino alkenyl group, with the alkyl or alkenyl chains being linear or branched and containing from 1 to 4 carbon atoms,

B. from 45% to 80% of detergent active materials, as hereinbefore described; and

C. additives known for use in detergent bars as hereinbefore described.

CLASS 50A & F. 140640

Int. Cl.-B65d 81/38.

AN IMPROVED CONTAINER OF PACKING CASE FOR USE AS AN ICE BOX AND/OR A HOT CASE.

*Applicant & Inventor*: BHUPATRAI KESHAVLAL DOSHI, OF 'NISHANT', 6, PODDAR ROAD, SANTA CRUZ (WEST), BOMBAY-54, STATE OF MAHARASHTRA, INDIA.

Application No. 112/Bom/74 filed March 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, **Patents Rules, 1972) Patent Office, Calcutta.**

7 Claims

A container or packing case for use as an ice box and/or a hot case made of corrugated board, mill board, straw board or paper board and provided along its inner walls and top and bottom surfaces with a honey-comb element sandwiched between a pair of sheets made of a material of which the box is made and bonded or fixedly positioned inside the box and with a liner of water-proofing material such as herein described for rendering the box leakproof.

CLASS 63-I. 140641

Int. Cl.-H02k 35/00 37/00.

ROTARY ACTUATORS.

*Applicant*: C.A.V. LIMITED, OF WELL STREET, BIRMINGHAM B19 2XF, ENGLAND.

*Inventors*: MICHAEL EDWARD WALKER AND PETER FRANK SCOTT.

Application No. 598/Cal/74 filed March 20, 1974.

Convention date March 21, 1973/(13570/73), U.K.

**Appropriate office for opposition Procedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.**

15 Claims

A rotary actuator comprising in combination a stator structure defining a magnetisable pole piece having a pole face, an angularly movable rotor structure formed from magnetisable material, the rotor structure defining a pole element, having a pole face, the pole piece and pole element forming part of a magnetic circuit, a winding surrounding a portion of the magnetic circuit and through which electric current can be passed, the rotor structure being moved angularly by the magnetic field in a direction to reduce the reluctance of the magnetic circuit of the actuator, one of said faces which are presented to each other being provided with a slot or cut away portion extending along at least part of the circumferential length of the face, whereby a desired torque/angle characteristic is obtained.

CLASS 154G. 140642

Int. Cl.-B41c 1/06.

IMPROVEMENTS IN OR RELATING TO TRANSFER PRINTS.

*Applicant & Inventor*: SAMAR MUKHERJEE, No. 4, DR. RAJENDRA ROAD, CALCUTTA-20, WEST BENGAL INDIA.

Application No. 635/Cal/76 filed April 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, **Patents Rules, 1972) Patent Office, Calcutta.**

7 Claims No drawings

A method of manufacturing transfer prints, on a thin film or paper comprising printing on the said film or paper in the reverse fashion, the selected picture, pattern, ornamentation or design and the print is covered with a thin layer of a self-sticking adhesive and a thin film of silicone paper or other hard gloss paper is applied on the adhesive.

CLASS 97C. 140643

Int. Cl. H05b 1/00.

AN APPARATUS FOR INSTANT PREPARING OF TEA OR THE LIKE BEVERAGES AND FOR BOILING VEGETABLES, EGGS OR LIKE INCLUDING A TOASTER.

*Applicant & Inventor*: SUSHIL KUMAR PODDAR, OF 39, ROY BAHADUR M. C. LAHIRI STREET, P.O. SERAMPORE, DT. HOOGHLY, (WEST BENGAL STATE), INDIA.

Application No. 1523/Cal/76 filed August 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, **Patents Rules, 1972) Patent Office, Calcutta.**

12 Claims

An apparatus for instant preparation of tea or the like beverages and also for boiling vegetables, eggs or the like including a toaster wherein the said apparatus consists of a chamber or a cabinet having disposed within it four receptacles in the form of a box having four different operations :

(a) A first receptacle for preparing tea or the like mounted on a swingable platform hinged to the cabinet having a heater and a siphon for boiling water, said platform further having fixed to it a two way micro-switch and a plunger;

(b) a mixing receptacle provided below the said first receptacle incorporating within it a plurality of slidable strainer also in the form of a receptacle and said mixing receptacle having a bent pipe to act as a gravity feed siphon and as a delivery tube;

(c) a second and a third receptacle of identical construction one for boiling vegetable and the other for boiling eggs incorporating therein a heater and a perforated tray;

(d) a fourth receptacle incorporating a heater and a perforated tray to function as a toaster in which the tray may be mounted on a bracket fixed to the receptacle;

and wherein all the above receptacles has independent electrical circuits controller through a single two way micro switch and being provided with an alarm which will continuously buzz until the circuit is cut off; said apparatus being operated by an alarm clock and further includes means to indicate when a particular receptacle is in operation.

CLASS 200-D. 140644

Int. Cl. F04; 19/00.

WATER PUMP DIRECTLY POWERED BY GASEOUS FUEL.

*Applicant & Inventor*: MALIAKAL PAUL GEORGE, OF BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI RAJASTHAN STATE, INDIA.

Application No. 1680/Cal/75 filed August 30, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A water Pump directly powered by gaseous fuel for pumping water from deep sources such as well, pond, canal, and the like, that works on combustible gaseous fuel, and that combines both the functions of mechanical power generation from combustion of gaseous fuel and direct application of the power thus generated for pumping water, without the conventional components such as piston or impeller, comprising three chambers of different sizes, preferably made of mild steel, of which the largest chamber functions as a combustion chamber and remains submerged in the water source, and the other larger chamber and the small chamber are kept slightly above the level where water is required to be delivered, the larger chamber functioning as suction-*cum*-compression chamber and the small chamber as a pressure chamber for the storage of compressed fuel-air mixture; and the said combustion chamber having at its lower side a spring-loaded fuel inlet valve, a gravity-operated water inlet valve and another spring-loaded water outlet valve and having at its upper side a spring-loaded outlet valve for escape of exhaust gas; whereas the water inlet and water outlet valves operate due to the pressures on them, the gas inlet and outlet valves operate by a pair of levers actuated by a float, the arrangement being such that one end of each lever is hinged to the wall of the combustion chamber and their free ends hinge-joined to a vertical rod on which a float freely moves with the water level inside the chamber, the levers capable of moving in parallel unison and being provided with a spring so as to flip-flop between a stable upper position and a stable lower position according as the float moves to the top or bottom limits, so as to respectively open and close the fuel inlet valve and simultaneously close and open the exhaust outlet valve with a snap action; and the said suction-*cum*-compression chamber being joined to the water outlet port of the combustion chamber by a linking pipe and the suction-*cum*-compression chamber having an outlet pipe to deliver the water when the chamber is full by opening a gravity-operated valve by means of a float and levers arrangement similar to that in the combustion chamber, and having a gravity- operated valve to admit fuel-air mixture into the chamber and another gravity-operated outlet valve for the compressed fuel-air mixture to be let into the pressure chamber; and the said pressure chamber being joined to the said combustion chamber by a pipeline the flow rate in which is adjustable by a manually operated valve; and the said combustion chamber having an electromagnetic make-break spark plug, the spark-timing of which is synchronised with the filling of the combustion chamber with water by means of one electrical contact situated in the combustion chamber and another electrical contact situated in the suction-*cum*-compression chamber, both being operatively linked with the respective float-lever mechanism, and the electrical power for the spark plug being supplied from a storage battery.

CLASS 116H. 140645

Int. Cl. B66d; 5/14.

IMPROVEMENTS IN OR RELATING TO SELF ACTUATING LOAD-BRAKE FOR HOISTING EQUIPMENT.

*Applicant*: TRACTEL TIRFOR INDIA PRIVATE LIMITED, OF 15, GANESH CHANDRA AVENUE, CALCUTTA-700013, WEST BENGAL.

*Inventor*: PRADIP KUMAR CHAKRAVARTY.

Application No. 2054/Cal/75 filed October 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An improved self-actuating load-brake for use in known type of hoisting or pulling equipment comprising a reaction plate mounted on the main load shaft said load shaft is coupled to a load wheel for supporting the load through a chain, a ratchet friction plate mounted on the collar of the reaction plate having an internal and external disc of frictional material one on each side of the ratchet friction plate and a pawl engaging with the ratchet friction plate which is pivoted to the body of the hoisting equipment, and a sliding sleeve screwed on the main shaft in contact with the external friction disc, the sliding sleeve being fixed to a hand chain wheel or operating lever, *characterised* by that :—

(a) The reaction plate has a collar with a flange having an enlarged axial bore in the collar portion and a peripherial groove inside the bore of accommodate a sealing ring;

(b) a sealing ring made of sealing material housed inside the said peripherial groove of the reaction plate;

(c) a tubular sealing rim axially fixed with the sliding sleeve and projecting inside the said enlarged axial bore of the reaction plate and radially pressing against the sealing ring of the reaction plate thereby providing a complete sealing device for the lubricant situated inside the space in between the bore of the reaction plate and a recess of the said sliding sleeve.

CLASS 172C$_a$. 140646

Int. Cl. D01g; 9/00.

APPARATUS FOR REMOVING IMPURITIES FROM FIBRES.

*Applicants & Inventors*: FRITZ STAHLECKER, OF JOSEF-NEIDHARTSTRASSE 18, D-7341 BAD-UBERKINGEN, WEST GERMANY & HANSSTAHLECKER, OF HALDENSTRASSE 20, D-7334 SUSSEN, WEST GERMANY.

Application No. 242/Bom/73 filed July 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

12 Claims

An apparatus for removing impurities from fibres fed to a spinning turbine of an open-end spinning unit, having a removal opening located in the transport path and followed by removal by means, wherein said removal means include mechanical conveying means directly following said removal opening.

CLASS 72B & C. 140647

Int. Cl. C06b; 15/00.

A METHOD OF PREPARING A BLEND OF AN OXIDISER A SENSITISER AND A FUEL IN A LIQUID PHASE FOR THE MANUFACTURE OF SLURRY EXPLOSIVES THEREFROM.

*Applicant*: I D L CHEMICALS LTD., FORMERLY KNOWN AS INDIAN DETONATORS LTD., SANATNAGAR (I.E.) P.O. HYDERABAD-18, ANDHRA PRADESH, INDIA.

*Inventors*: KUPPAM SRINIVASA IYENGAR VARADACHAR & DESIKACHARI SRIDHARAN.

Application No. 158/Mas/73 filed October 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims. No drawings

A method of preparing a blend of an oxidiser, a sensitiser and a fuel in a liquid phase for the manufacture of slurry explosives therefrom comprising the steps of heating a mixture of ammonium nitrate and formaldehyde along with reducing salts, such as, formates and sulphites; maintaining the reaction temperature for two to three hours between 95°C to 105°C so as to enhance the formation of mixed amine nitrate sensitiser and fuel content, without formation of hexamine; and bringing down the water content of the mixture to about 12% after neutralisation by an alkali, to obtain a blend of an oxidiser, sensitiser and a fuel.

CLASS 49H & 128G. 140648

Int. Cl. A47J; 27/16, A01g; 11/00, A61 1; 3/02.

A DEVICE FOR COOKING OF STERILISING BY STEAM.

*Applicant & Inventor*: PARTHASARATHY RANGANATHAN VIJAYARAGHAVAN, 3/19, TEYNAMPET RAMASWAMY MUDALI STREET, KONDITHOPE, MADRAS-600001, TAMILNADU, INDIA.

Application No. 176/Mas/73 filed November 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims

A device for cooking or sterilising by steam comprising a plurality of boxes; an inlet at one of the sides of each box for the entry of steam therein to and an opening at the front thereof for enabling the material to be steamed to introduced into, and removed from, the said box; a door provided for the opening of each box and a latch for securely fastening each door in its closed position; means for generating and supplying stem; a valve, provided for each box at its inlet and coupled to a steam pipe-line communicating with the means for generating and supplying steam, the said valve having a spring-loaded valve-member to be movably actuated by the door, when closed, to permit entry of steam from the said pipe line into the box, said valve member being also movably actuated by the door, when opened, to prevent entry of said steam into the box, characterised in that the said boxes are stacked one over the other, with the said pipe line disposed along the height of the stack, each of said boxes being engageable with, and disen ageable from the box immediately below it; a base frame supports the stack of said boxes, the lowermost box in the said stack being engageable with, and disengageable from, the said base frame to enable the capacity of the said device to be varied whenever required; and two cover plates are provided along the height of the stack on the sides thereof, each box in the said stack being attachable to, and detachable from, the said cover plates.

CLASS 32F$_3$b. 140649

Int. Cl. C08b 19/12; C07g 3/00.

PROCESS FOR THE PREPARATION OF TANNIAN FROM ARECANUT.

*Applicants*: KRISHNASWAMY NARAYANAN, SPECIAL SECRETARY TO GOVERNMENT OF KERALA, INDUSTRIES DEPARTMENT, GOVERNMENT SECRETARIAT TRIVANDRUM, KERALA, AND DR. PULLAKAT THOMAS JOSEPH, DIRECTOR, INDUSTRIAL TESTING AND RESEARCH LABORATORY, TRIVANDRUM-19, KERALA.

*Inventor*: DR. PULLUKAT THOMAS JOSEPH.

Application No. 191/Mas/73 filed December 14, 1973.

Appropriate office for opposition Proceedings ( Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims. No drawings

Process for the preparation of tannin from arecanut comprising treating the husk of arecanut/or kernal of arecanut made free of pectin by known methods,w ith 0.4 N solution of an alkali such as sodium hydroxide, precipitating the dissolved tannin by adding dilute acid such as acitic acid, filtering, washing and drying the same.

CLASS 104F. 140650

Int. Cl. C08c; 9/18.

PROCESS FOR PREPARING A BONDING COMPOSITION.

*Applicants*: KRISHNASWAMY NARAYANAN, SPECIAL, SECRETARY TO GOVERNMENT OF KERALA, INDUSTRIES DEPARTMENT, GOVERNMENT SECRETARIAT, TRIVANDRUM, DR. PULLUKAT THOMAS JOSEPH, DIRECTOR, INDUSTRIAL TESTING & RESEARCH LABORATORY, TRIVANDRUM-19, AND MAGATTAPARAMBIL THOMAS GEORGE, SENIOR SCIENTIFIC OFFICER, INDUSTRIAL TESTING AND RESEARCH LABORATORY, TRIVANDRUM-19.

*Inventor*: SRI MANGATTAPARAMBIL THOMAS GEORGE.

Application No. 195/Mas/73 filed December 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims. No drawings.

A process for preparing a bonding composition comprising treating

natural rubber latex with ammonia gas; mixing the ammoniated natural rubber latex with a saturated solution of animal glue in the ratio of 10 : 3 by weight and thereafter, if desired adding colouring agent such as phenolphthalein.

CLASS 61A & 61-I. 140651

Int. Cl. F26b; 3/10, 17/32.

A METHOD OF DRYING TEA LEAVES AND A DEVICE FOR CARRYING OUT THE SAID METHOD.

*Applicants & Inventors*: CHIRANJILALJI HARIPRASAD, OF "GANGA" NO. 90, MOWBRAYS ROAD, MADRAS-600 018, TAMIL NADU, INDIA & RANGANATHAN RAMESH, 42, SECOND TRUST MAIN ROAD, MANDAVALLIPAKKAM, MADRAS-600 028, TAMIL NADU, INDIA.

Application No. 202/Mas/73 filed December 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A method of drying tea leaves comprising the steps of rotating a drum at a low speed, said drum being provided internally with at least one spiral vane; feeding the tea leaves to be dried into the drum at one end thereof so as to cause said tea leaves to be moved by the said spiral vane to the other end of the said drum for being discharged there at introducing hot air into the drum along with the said tea leaves and impeding the free flow of said air to the other end of the drum by means of a plurality of spaced baffle plates provided within the drum so as to bring about an intimate and lingering contact between said air said tea leaves and to thus dry said tea leaves during their movement to the other end of the drum before being discharged thereat.

CLASS 29A. 140652

Int. C1. G06c; 1/00.

A CALCULATOR.

*Applicant & Inventor*: EDDYA GOPALAKRISHNA RAO, "ANAND ARAM", SARASWATH COLONY, P.O. KOTEKAR 574152, KARNATAKA STATE, INDIA.

Application No. 203/Mas/73 filed December 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

4 Claims

A calculator comprising a base member provided with a plurality of slots arranged in rows and columns; one or more markers provided for the base member for demarcating the rows or columns so as to visually indicate that one or more of such rows or columns are distinct from the others; a plurality of pegs snugly accommodable within the said slots so as to protrude above the base member; and a picker for enabling each peg to be inserted into, and removed from any one of the slots.

CLASS 76C. 140653

Int. C1. E05c; 17/00.

A DOOR HALTER.

*Applicant & Inventor*: YUSUF ABBASBHAI TINWALA, 11 ADBULIA MANSION, ZAKARIA MASJID STREET, DONGRI- BOMBAY-400009, MAHARASHTRA, INDIA.

Application No. 41/Bom/74, Filed February 1, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

A door halter characterised in that the said door halter comprises a combination of four parts the said parts consisting of the main member, chain, fixed member, and the chisel head screw the main member having locking system comprising of a flat tappered angled strip revitted to the main member along with stud packing and having an inward bent for spring action adapted to be engaged in the groove of the chisel head screw thus looking the door halter completely by preventing the movements of the chisel head screw within the curved slot resulting in the partial opening of the door until the push button is pushed lowering the flat tappered strip making room for the free movement of the chisel head screw within the curved slot thus allowing the door to be opened completely.

CLASS 80A. 140654

Int. C1. B01d; 39/00.

PERMEABLE FILTER BLOCK.

*Applicant & Inventor*: TIRUPATTUR DAMODARA RAO, OF 11, CHIDAMBARASWAMY 1ST STREET, MYLAPORE, MADRAS-600 004, TAMIL NADU.

Application No. 23/Mas/74 filed February 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A permeable filter block comprising a block consisting of a slab having through holes in it, running from top to bottom of said slab said slab being supported by legs provided on the lower side of the said slab and provided with a rim on the top side of the said slab around its periphery and a layer of permeable material covering said holes and housed within the trough created by said slab and said rim, for supporting filter media in rapid sand filters and pressure filters.

CLASS 98A & 150G. 140655

Int. C1. F16-1; 25/00, 39/00.

CONNECTING MEANS FOR A HEATING UNIT.

*Applicants*: DANFOSS A/S, NORDBORG, DENMARK.

*Inventor*: JENS JORGEN MOLBAEK.

Application No. 248/Bom/74 filed June 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A connecting means for fitting on the rear side of a heating unit of a hot-water heating installation, which means has a connecting fitting which has a first port for connexion to the feed line of the installation, a second port extending parallel to and along side the first port for connexion to the return line of the installation, a third port communicating with the first port for connexion of the inlet pipe of an adjusting valve fitting to be connected to the inlet opening of the heating unit, and —a fourth port which communicates with the second port for connexion to the outlet opening of the heating unit and the axis of which is at right angles to the plane formed by the axes of the first and second ports, characterized in that the axis of the third port (11) likewise extends in the said plane or in a plane parallel thereto, approximately intersects the axis of the fourth port (15), and the axis of the third port (11) is disposed at an angle of approximately 45° to the axes of the first and second ports (5 and 6) and in that the fourth port extends away from the fitting (2) optionally on one or the other side.

CLASS 47B & C & 139A. 140656

Int. C1.-C01b 31/18, C01b 31/02, C01b 2/02.

PROCESS FOR THE RECOVERY OF CARBON FROM A WATER DISPERSION THEREOF.

Applicant: TEXACO DEVELOPMENT CORPORATION, OF 135 EAST 42ND STREET, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

*Inventors*: GEORGE NEAL RICHTER, EDWARD TAYLOR CHILD, WILLIAM LEON SLATER AND JOHN CARLETON AHIBORN.

Application No. 2631/Cal/73 filed November 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings

A process for the recovery of particulate carbon from a water dispersion thereof which comprises treating said dispersion with a hydrocarbon oil to transfer the particulate carbon to said hydrocarbon followed by if desired separating the carbon from said hydrocarbon oil characterized in that (i) the water dispersion is treated with a hydrocarbon oil in two stages, a first stage and a second stage, the first comprising adding to said water dispersion, just enough amount of hydrocarbon oil as herein described to render all the carbon dispersed in water hydrophobic so as to enable it to reject water and rise to the surface of the hydrocarbon oil, said amount not exceeding 10 times the amount of the particulate carbon dispersed in water,

(ii) allowing the so obtained mixture to settle thereby obtaining on top of the hydrocarbon layer, which is above the water layer, dry and fluffy carbon thereafter,

(iii) adding additional amounts of hydrocarbon oil as herein described to for ma hydrocarbon oil—carbon dispersion on the surface of the water, and

(iv) separating the hydrocarbon oil-—carbon dispersion from the water.

CLASS $172D_3$. 140657

Int. C1.-B01h 7/18.

IMPROVEMENTS IN OR RELATING TO SPINDLE CROWNS FOR HIGH SPEED SPINNING.

*Applicant* : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, COIMBATORE AERODROME POST, COIMBATORE-14, INDIA.

*Inventors* : KASTHURISWAMY SREENIVASAN, KARYA VEEDU PARAMESWARAN RAMAKRISHNA PILLAY AND SRINIVASALU NAIDU GOVINDARAJAN.

Application No. 1690/Cal/73 filed July 19, 1973.

Addition to No. 111897.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

An improved spindle crown for reducing the tension of yarn in the spinning zone of a conventional spindle a metal piece fitted on the top of the conventional spindle by a thread joint, the said metal piece comprising (i) a crown head, (ii) a conical neck of the spindle crown which is broader at the top and narrower as the bottom, and (iii) a cone shaped portion at the bottom of the neck whereby during spinning, the crown head interferes with the yarn coming from the thread guide, the yarn then spirals round the narrow neck of the crown thereby reducing the spinning tension, and the conical shaped portion of the bottom of the neck deflects the yarn and allows it to form a suppressed balloon between the neck and a traveller characterised in that the crown head is made in the shape of a tapered blade whereby the tendency of the yarn to wrap round the crown is significantly reduced.

CLASS 62D. 140658

Int. Cl. D06c 21/00.

METHOD AND APPARATUS FOR COMPRESSIVELY SHRINKING TEXTILE FABRICS AT HIGH SPEED EMPLOYING AN ADJUSTABLE WRAP RUBBER BELT UNIT.

*Applicant* : CLUETT, PEABODY & CO., INC., AT 433, RIVER STREET, TROY, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : WALTER STARK TROOPE AND JACKSON LAWRENCE.

Application No. 2706/Cal/73 filed December 12, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method for longitudinally compressively shrinking a light weight textile fabric web at high speed; the method comprising :

preconditioning the web, providing a nip roller (24) and a take up roller (25) adapted to pass a thick endless elastomeric belt (23) into contact with a heated polished cylinder (30) having a low frictional resistance, feeding continuously the web over the nip roller and between the elastomeric belt and the cylinder, selectively varying pressure of the belt against the cylinder by adjusting the positioning of the nip roller substantially radially relative to the cylinder, selectively varying wrap and tension of the belt on the cylinder by adjusting the positioning of the take up roller;

the method characterized by :

the selective varying of wrap achieved by arcuately biasing the take up roller radially relative to the cylinder about a fixed pivot axis for the take up roller, and varying the tension of the belt by biasing the take up roller tangentially relative to the cylinder along a plane which intersects the pivot axis, varying the wrap inversely relative to the speed of feeding;

whereby skipping of the belt at the high speed is eliminated and control of pressure of the belt onto the cylinder over a greater arc is achieved.

CLASS $32A_1$ & $A_2$. 140659

Int. Cl.-C09b 48/00, 57/00, 47/00.

PROCESS FOR THE PREPARATION OF PURE ORGANIC PIGMENTS.

*Applicant* : HOECHST AKTIENGESELLSCHAFT, OF 6230, FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : ERNST SPIETSCHKA, SIEGERIED SCHIEBLER AND WOLFGANG TRONICH.

Application No. 2793/Cal/73 filed December 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for the preparation of pure organic pigments which comprises converting organic dyestuffs having various degrees of purity into dyestuff salts capable of being isolated by means of suitable acids which dissolve the impurities contained in the dyestuff, separating them from the acid, recovering the dyestuffs in pure form from the dyestuff salts by the action of water and subjecting the isolated dyestuff in aqueous, organic or aqueous-organic medium to a mechanical fine dispersion.

CLASS 172A. 140660

Int. Cl.-B65h 65/00.

SEGMENTAL CORE INSERT TO FORM A CORE ELEMENT FOR WINDING BODIES AND TO HOLD THE WINDING BODIES ON THE SPOOLING SPINDLES.

*Applicant* : SCHWEITER ENGINEERING WORKS LTD., OF HORGEN, SWITZERLAND.

*Inventor* : PAUL ODERMATT.

Application No. 448/Cal/74 filed March 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Segmental core insert to form a core element for winding bodies and to hold the winding bodies on the spooling spindles comprising

a plurality of similar segments, each being a sector of a cylinder, each cylinder sector having a central portion adapted to fit against the spindle and a radially surrounding portion, said radially surrounding portion being formed as a cellular structure.

CLASS $32F_1$ & $F_2b$ & $60X_1$. 140661

Int. Cl.-C07d 49/18, A01n 9/22.

A METHOD FOR PREPARING PYRAZOLIUM SALT.

*Applicant* : AMERICAN SYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

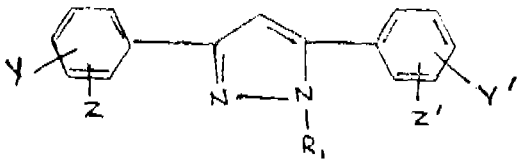
*Inventor* : MURRAY GARBER.

Application No. 1109/Cal/74 filed May 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

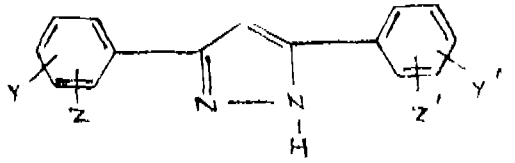
5 Claims

A method for the preparation of a pyrazole of formula II.




wherein $R_1$ represents alkyl $C_1$-$C_4$; Y, Y', Z and Z' each represent hydrogen; nitro; halogen; alkyl $C_1$-$C_4$; haloalkyl $C_1$-$C_4$ having up to 4 halo groups and lower alkoxy which

comprises alkylating a 3, 5-diphenyl pyrazole of formula III.



wherein Y, Y', Z and Z' are as defined before, using from 1 to 1.5 moles equivalents of an alkylating agent of formula IV.

$$(R_1)_m \quad Q$$

wherein $R_1$ is defined before, Q is the remaining portion of the alkylating agent, as for example, halide, such as chloride, bromide or iodide; sulfate; hydrogen sulfate; benzene sulfonate; $C_1C_3$ alkyl benzene sulfonate, preferably a toluene sulfonate, such as p-toluene sulfonate; phosphate; alkane sulfonate; $C_1$-$C_4$; and m is an integer from 1 to 3 characterized in that the reaction is conducted in the presence of a solid anhydrous inorganic alkali metal base in a non-aqueous, inert, organic solvent at a temperature between 80°C. and 175°C. and recovering a 1-alkyl-3, 5-di-aryl pyrazole in good yield and purity.

CLASS 15D & 172$D_3$. 140662

Int. C1.-D01h 13/02, F16c 17/02.

BEARING ARRANGEMENT FOR AN OPEN-END SPINNING MACHINE.

*Applicant*: MASCHINENFABRIK RIETER A.G., OF CH-8406, WINTERTHUR, SWITZERLAND.

*Inventor*: GERHARD MANDL.

Application No. 1262/Cal/74 filed June 10, 1974.

Convention date July 25, 1973/(35410/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A bearing arrangement for an open-end spinning machine with a spinning rotor which comprises a shaft, a turbine mounted at one end thereof and a drive pulley fixed on the opposite end, and roller bearings are provided for supporting the shaft, being externally secured in a sleeve surrounding the shaft which, in turn, is accommodated in and connected to a housing bore by means of an elastic element by which it is surrounded, wherein the sleeve is in the form of a thin-walled lightweight rigid metal sleeve and the elastic element is an elastic ring which is fitted on the turbine end of the metal sleeve and which seals off the space between the sleeve and the housing bore, wherein the sleeve is provided at the drive end with a second elastic outer support and wherein means are provided the elastic ring on the turbine end and the drive end of the shaft permitting the penetration of air into said space between the sleeve and the housing bore.

CLASS 128F. 140663

Int. C1.-A61m 5/00.

HYPODERMIC INJECTION DEVICE HAVING CANNULA COVERED WITH RESILIENT SHEATH.

*Applicant*: N. V. PHILLIPS' GLOEILAMPENFABRIEKEN, AT EMMASINGEL, EINDHOVEN, NETHERLANDS.

*Inventors*: STANLEY JAY SARNOFF AND GEORGE BURNHAM CALKINS.

Application No. 1768/Cal/74 filed August 6, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

In a hypodermic injection device comprising a cartridge including an ampoule with attached cannula, a cartridge holder slidably mounting the cartridge, the ampoule comprising a cylindrical sleeve slidably carrying a piston, said sleeve being open at one end and having means at the other end for mounting the cannula, fluid medicament in the sleeve between the piston and the cannula, power means operatively associated with the cartridge for moving the cartridge forward in the direction of the cannula and for injecting the fluid carried in the ampoule, means for controlling actuation of the power means, the improvement comprising:

a resilient sheath covering the cannula, said sheath comprising a resilient cylinder having a closed and an open end, the length of the sheath being sized such that the closed end thereof is slightly spaced from the cannula end, means for preventing forward movement of the sheath whereby when the power means forces the cartridge forward the cannula will pierce the sheath and deliver the fluid medicament in the sleeve.

CLASS 172$D_4$. 140664

Int. C1.-D01h 11/00.

METHOD AND APPARATUS FOR SPINNING YARNS ON OPEN-END SPINNING MACHINES AND PNEUMATICALLY REMOVING FIBER AND TRASH WASTE INCIDENT TO SPINNING.

*Applicant*: PARKS-CRAMER (GREAT BRITAIN) LIMITED, OF SUTHERS STREET, OLDHAM, LANCASHIRE, ENGLAND.

*Inventors*: JOHN HARRAP AND RICHARD GORDON STEWART.

Application No. 2337/Cal/74 filed October 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims

A method of spinning yarns while removing fiber waste from yarn spinning rotors of a group of open-end spinning machines and also removing trash waste liberated from fibers in their paths of travel to the respective rotors, wherein air is drawn past the rotors of each machine in the group and through a respective first passageway to remove fiber waste from the rotor of each respective machine, and air is drawn adjacent the paths of travel of the fibers to the rotors of each machine in the group and through a respective second passageway to remove trash waste liberated from the fibres during operation of each machine, characterized in that a common source of airflow (70) is communicatively connected to all the first and second passageways (A, B or A, B') of all the machines (10) in the group and draws fiber waste from the respective rotors (14) and also draws trash waste from adjacent the respective paths of travel (20, 21, 26) of the fibers to the rotors of all the machines (10).

CLASS 172$C_1$. 140665

Int. C1. D01g, 15/74.

METHOD FOR STRIPPING A WEB FROM A CARDING MACHINE AND APPARATUS THEREFOR.

*Applicant & Inventor*: ETTORE BONALUMI, VIA LEGA LOMBARDA, 5-BERGAMO, ITALY.

Application No. 2580/Cal/74 filed November 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method for stripping a web issuing from a carding machine comprising the steps of facilitating the stripping of the web from a rotating stripping roller by employing pressurized air impulses issuing through apertures in the stripping roller covering, the apertures being distributed over the majore surface of the covering, arranging for the air impulses to be periodic and to issue as the apertures register on rotation of the stripping roller with an air impulses to be periodic and to issue as the apertures register on rotation of the stripping roller with an air chamber within the said roller, and arranging the location of which so that such registration occurs relatively to a plane through the axes of rotation of the upper dragging roller and the stripping roller.

CLASS 119D. 140666

Int. Cl. D03d; 47/08.

IMPROVEMENTS IN RAPIER LOOMS.

*Applicant* : SOCIETE ALSACIENNE DE CONSTRUCTIONS MECHANIQUES DE MULHOUSE, OF 1, RUE DE LA FONDERIE, 68054 MULHOUSE CADEX, FRANCE.

*Inventor* : YVES JUILLARD.

Application No. 507/Cal/75 filed March 14, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A rapier loom comprising at least two rigid weft-picking needles to which are imparted, by rocking lever mechanisms, opposed reciprocatory movements above a sley which is carried by two lateral swords oscillating about a transverse shaft and which is constituted by a one-piece hollow beam which extends at each side of the loom, beyond the corresponding slev whereby to form an extension, each one of the two extensions being rigidly connected by struts to a corresponding extension of said shaft.

CLASS 205H. 140667

Int. Cl. B60c; 11/00.

PNEUMATIC TIRE.

*Applicant* : THE FIRESTONE TIRE & RUBBER COMPANY, OF 1200 FIRESTONE PARKWAY, AKRON, STATE OF OHIO 44317, UNITED STATES OF AMERICA.

*Inventors* : JAMES DENNIS GARDNER, JAMES PHILIP LAWRENCE & STEPHEN THOMAS GRIEBLING.

Application No. 826/Cal/75 filed April 23, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

11 Claims

A pneumatic tire comprising an annular, road-engaging tread surface, two sidewalls each connecting a side of said tread surface to an annular bead, the improvement comprising a bead latch member located in the lower sidewall area of each sidewall, said bead latch having a portion thereof extending axially outwardly and radially inwardly of the rim flange when said tire is mounted on its normal rim and a recessed porition having horizontal wall and a vertical wall which is adapted to receive said rim flange wherein said bead latch engulfs said rim flange when the tire is run uninflated and under load by a portion of said bead latch being positioned radially inwardly of said rim flange whereby preventing said bead from unseating during said runflat operation.

CLASS 191. 140668

Int. Cl. B41j; 1/00.

CARTRIDGE FOR A RIBBON FOR A PRINTING MACHINE.

*Applicant* : S C M CORPORATION, OF 299, PARK AVENUE, NEW YORK, NEW YORK-10017, UNITED STATES OF AMERICA.

*Inventors* : DONALD SONKE PERRY, RICHARD EUGENE SHATTUCK, WYLAND FEVERN FOWLER, AND HANS MUELLER.

Application No. 1342/Cal/73 filed June 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A cartridge for a ribbon for a printing machine having a print element, the cartridge having a housing with a chamber for the ribbon and an entrance opening for the ribbon, and two feed rotors journaled in the housing near the entrance opening for feeding the ribbon between the feed rotors characterised by eccentrics on the feed rotors and fingers mating with the eccentrics for oscillation by the eccentrics to strip the ribbon from the feed rotors and to push the ribbon away from the feed rotors to help pack the ribbon in the chamber.



CLASS 5C. 140669

Int. Cl. A01d 75/00.

A CROP HARVESTER HAVING AN AUTOMATIC HEIGHT CONTROL SYSTEM.

*Applicant* : DEERE & COMPANY, OF MOLINE, ILLINOIS, U.S.A.

*Inventors* : JAY BYRON AGNESS, DUANE HERBERT ZIEGLER, & GARN FARLEY PENFOLD.

Application No. 2439/al/73 filed November 5, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A crop harvester having vertically adjustable crop-gathering means and hydraulic power means for raising and lowering the crop-gathering means when fluid is supplied thereto and exhausted therefrom respectively and having an automatic height control system comprising a plurality of individually movable ground followers mounted on the crop-gathering means in transversely spaced relationship and for pivotal movement in a generally vertical path electrical switch means associated with each follower and each switch means including an actuation member movable with its respective ground follower between raise, hold and lower positions; a solenoid valve movable between, raise, hold and lower modes controlling the flow of fluid to and from the hydraulic power means; electrical circuit means including a source of electrical energy connected to and for controlling the movement of the solenoid valve between its modes; the circuit means including logic means connected to all the switch means and responsive to the conditions of the switch means to move the valve to its lower mode when all the actuation members of the switch means are in their lower positions, to move the valve to its hold mode when at least one actuation member is in the hold position and the remainder are in the lower position, and to move the valve to its raise mode when any one of the actuation members is in its raise position.

CLASS 32F. 140670

Int Cl. C08f 1/36.

PROCESS FOR PREPARING HEAT RESISTANT RESIN FROM CASHEW NUT SHELL LIQUID.

*Applicants* : KRISHNASWAMY NARAYANAN, SPECIAL SECRETARY TO GOVERNMENT OF KERALA, INDUSTRIES DEPARTMENT, GOVERNMENT SECRETARIAT, TRIVANDRUM, KERALA & DR. PULLUKAT THOMAS JOSEPH, DIRECTOR, INDUSTRIAL TESTING & RESEARCH LABORATORY, TRIVANDRUM-19, KERALA.

*Inventor* : DR. PULLUKAT THOMAS JOSEPH.

Application No. 193/Mas/73 filed December 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims. No drawings

A process for preparing a heat resistant resin from Cashew nut shell liquid comprising polymerizing Cashew nut shell liquid with a group IV metal tetrachloride such as titanium and Zirconium tetrachloride in presence of a Grignard reagent in an inert atmosphere and recovering the precipitated group IV metal derivative of cashew nut shell liquid polymer resin by conventional method.

CLASS 128G & K. 140671

Int. Cl. A61b; 17/00.

A LASER BEAM MANIPULATOR DEVICE THAT INDICATES THE POINT OF FOCUS OF A FOCUSED LASER BEAM.

*Applicant* : UZI SHARON, OF 12 EFTER STREET, RAMAT-AVIV, ISRAEL, & ISSAAM KAPLAN, OF 19 HABROSH STREET, SAVYON, ISRAEL.

*Applicant & Inventor* : UZI SHARON, OF 12 EFTER STREET, RAMAT-AVIV, ISRAEL, & ISAAC KAPLAN,

Application No. 2275/Cal/73 filed October 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

18 Claims

A laser beam manipulator device that indicates the point of focus of a focused laser beam comprising :

a beam targeting member connectable at one end to a manipulatable laser beam conduit through which the laser beam passes;

said beam targeting member having a tip that is approximately the same distance from the conduit when connected thereto as the focal point of the laser beam; and

means for permitting the viewing of the area around the focal point while the laser beam manipulator device is being maneuvered by an operator.

CLASS 206E. 140672

Int. Cl. H04r 17/00.

IMPROVEMENTS IN OR RELATING TO PROCESSES FOR THE PERMANENT POLARISATION OF PIEZO-ELECTRIC MATERIAL.

*Applicant* : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventors* : DR. RUDOLF SCHOFER AND DR. HELMUT THOMANN.

Application No. 2304/Cal/73 filed October 16, 1973.

Convention date June 28, 1973 (57386/73) Australia.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the permanent polarisation of piezoelectric material in which the material is polarised in an electric field, wherein the material is first polarised in an electric d.c. field to a value which lies above a desired predetermined polarisation value; and wherein the desired polarisation value is then obtained by depolarisation by the application of a d.c. field oppositely directed to the polarisation, the depolarisation being effected in a plurality of steps, and a value characteristic of the polarisation being measured between the individual steps.

CLASS 14A, 140673

Int. Cl. H01m 1/00.

LEAK PROOF GALVANIC CELL.

*Applicant* : TELEPHON-UND TELEGRAPHEN-FABRIKS AKTIENGESELLSCHAFT KAPSCH & SOHNE IN WIEN, OF WAGENSEILGASSE 1, A-1121 WIEN, AUSTRIA.

*Inventor* : DR. DIPL. ING. ERNST KAROBATH, AND DR. CHEM. DIPL. LEOPOLD RIPPEL,.

Application No. 2744/Cal/73 filed December 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A leak-proof galvanic cell comprising a plastic sleeve, an end cover mounted on the said sleeve, an aperture in the cover, a flange provided around the said aperture, an electrode rod extending through the aperture and a sealing material which entirely or predominantly comprises elastomeric, plastic and non-crystalline material.

CLASS 108C1. 140674.

Int. Cl. C21c 5/28.

IMPROVEMENTS IN OR RELATING TO STEEL MAKING.

*Applicant & Inventors* : RANENDRA KUMAR BHATTACHARYA, OF W-8, VIDYASAGAR NIKETAN, SALT LAKE CITY, CALCUTTA-700064, WEST BENGAL, INDIA & DR. SAMAR NATH BASU, OF 311/2, CIRCULAR ROAD, SIBPORE, HOWRAH-2, WEST BENGAL, INDIA.

Application No. 282/Cal/74 filed February 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims. No drawings.

In a process for the manufacture of steel by basic Bassemer process, the step of enriching phosphorus deficient pig iron in phosphorus to produce pig iron conforming to the basic Bessemer grade, which comprises adding phosphorus bearing material to a cupola charge prior to charging molten iron in a basic Bessemer converter.

CLASS 99E & 179A & G. 140675

Int. Cl. B65d 47/36, 53/00, B67b 5/00.

PROCESS AND DEVICE FOR THE PREPARATION OF SINGLE DOSE CONTAINERS WITH AN ELONGATE FLEXIBLE CLOSURE MEMBER.

*Applicant* : DR. KARL THOMAE GESELLSCHAFT MIT BESCH/RANKTER, HAFTUNG, OF D-7950 BIBERACH AN DER RISS, FEDERAL REPUBLIC OF GERMANY.

*Inventor* : PETER ASP., DIETER JARSEN, HEINRICH EGGERT & DR. WILHELM KLINGELHOLLER.

Application No. 449/Cal/74 filed March 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

14 Claims

A method of making containers of the kind described comprising providing two continuous foil strips and forming in each strip a series of container sections, positioning the strips face to face with at least one container section in one strip opposing at least one container section in the other strip, positioning between the or each pair of opposing containers sections an elongate flexible closure member, and sealing the strips together and cutting the or each closure member to a required length.

CLASS 205K. 140676

Int. Cl.-B60c 11/06.

TIRE TREAD.

*Applicant* : MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN), OF 63 CLERMONT-FERRAND, FRANCE.

*Inventor* : JEAN BERNARD MONTAGNE.

Application No. 1233/Cal/74 filed June June 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A tire whose tread is provided with juxtaposed circumferential grooves which follow a broken-line outline having segments of longitudinal orientation, characterized by the fact that :

(a) the outline is composed of segments of longitudinal orientation which alternate with oblique segments,

(b) the segments of longitudinal orientation of two juxtaposed circumferential grooves have at least one portion in common, and

(c) two consecutive segments to longitudinal orientation of the same groove are staggered with respect to each other in the transverse direction and are connected either one to the other or to the edge of the tread by an oblique segment.

CLASS $32F_9b$ & $60X_{28}a$. 140677.

Int. Cl.-C07d 1/00.

METHOD FOR PREPARING DESALANYLTETAINE DERIVATIVES.

*Applicant* : POLITECHNIKA GDANSKA, 11/12, MAJAKOWSKIEGO ST., GDANSK-WRZESZCZ, POLAND.

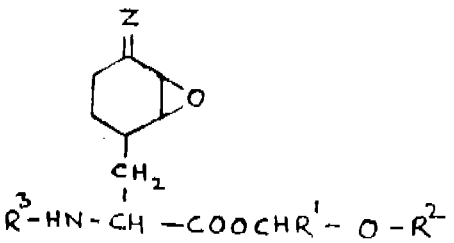
*Inventors* : WOJCIECH GRUSZECKI (2) EDWARD BOROWSKI (3) JERZY GUMIENIAK (4) MALGORZATA GUMIENIAK (5) MACIEJ SMULKOWSKI (6) HANNA WOJCIECHOWSKA AND MIROSLAW BOBROWSKI.

Application No. 2403/Cal/74 filed November 2, 1974.

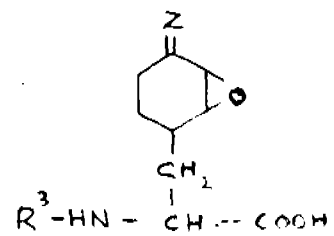
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A method of preparing desalanyltetaine derivatives of formula I.



wherein $R^1$ denotes a hydrogen atom, methyl, phenyl or benzyl group, $R^2$ is alkyl group with 1 to 6 carbon atoms or acyl or benzyl group, $R^3$ stands for a hydrogen atom, $\alpha$-amino acid or acetylalanyl, phenoxy-acetylalanyl, thienylacetylalanyl, furylacetylalanyl radicals, Z denotes an oxygen atom, residue of hydroxylamine or hydrazine or a derivative thereof selected from the group of $C_{1-3}$ alkyl, phenyl and benzyl, characterized in that tetaine or a desalanyltetaine derivative of the general formula 2.



wherein $R^3$ and Z have the above-given significance, is used as the starting material and is reacted with $\alpha$-chloroethers having the formula 3

$$CL\text{-}CHR^1 - O - R^2$$

wherein $R^1$ and $R^2$ have the meanings as given above, between -10°C and room temperature, and optionally in the presence of an aqueous or non-aqueous solvent, or a mixture thereof, within a pH range of 7 and 8.5.

CLASS 37C. 140678.

Int. Cl.-F26b 5/08.

CONICAL-BASKET DRYER CENTRIFUGE COMPRISING A WASHING DEVICE.

*Applicant* : FIVES-CAIL BABCOCK, OF 7 RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE.

*Inventor* : ANDRE MERCIER.

Application No. 2420/Cal/74 filed November 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A dryer centrifuge comprising a vertical-axis rotary conical basket provided with a screen and a washing device for the layer of product covering the screen on the inner surface of the basket, the centrifuge being characterised in that it comprises a rotary closure member disposed inside the basket and isolating the bottom part from the internal volume of the basket, the washing device being mounted on the periphery of the closure member and comprising an annular element coaxial with the basket and the frusto-conical external surface having a slope substantially equal to that of the wall of the basket and being situated at a slight distance from the screen, an annular ejection chamber open towards the wall of the basket being formed in the outer surface and communicating, *via* a small-section passage, with an annular intake chamber which is open towards the axis of the basket and fed with washing liquid *via* one or more fixed nozzles.

CLASS $55B_1$ & $B_9$ & C. 140679.

Int. Cl.-A61l 9/02.

DEVICE FOR VAPORIZING SUBSTANCES BY ELECTRICAL HEATING FOR DISINFECTION.

*Applicant* : INTERGADGETS AG., OF POSTSTRASSE 9, ZUG, SWITZERLAND.

*Inventor* : CORNELIS JAN VAN DALEN.

Application No. 1092/Cal/73 filed May 9, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims

A device for vaporizing substances by means of electrical heating, particularly for the disinfection of and medical treatment in rooms, comprising a base designed for connection to an electrical power supply and provided with electrical resistance heating means located in a fully enclosed housing in the base which comprises a broad lower portion and a narrower upper portion and a substantially cylindrical container which is adapted to be attachable to the base and is completely closed save for at least one opening in its outer wall but possesses an interior encased chamber extending almost over the entire length of the container into which the upper portion of the housing in the base fits, the said container having its interior provided with annular carrier members for the substance to be vaporized and said narrower upper portion of the housing in the base being constructed of a material efficiently transferring heat into the vicinity of these carrier members, the container being equipped with a rotary member enclosing its upper end and the upper portion of its outer wall with the opening or openings in the manner of a bell, the said rotary member having a jacket provided with a number of openings equal to the number of openings in said outer wall, and which the opening or openings in the jacket can be brought to register to a desired degree with the opening or openings in the outer wall of the container by rotation so as increasingly to open, starting from a zero position in which the opening or openings in the outer wall of the container is, or are, fully closed by the rotary member, the said opening or openings in the outer wall through which the vaporized substances can emerge then to the outside from the interior space of the container.

CLASS 79. 140680.

Int. Cl.-B42f 3/00.

RING BINDING DEVICE.

*Applicant* : ROBERT KRAUSE KG. OF 4992 ESPELKAMP, HINDENBURGRING 11, FEDERAL REPUBLIC OF GERMANY.

*Inventor* : KARL-HEINZ SCHUDY.

Application No. 2730/Cal/74 filed December 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A ring binding device for attaching to a file or a book binder for holding punched stationery, comprising a spring base member and at least two ring coil or ring rail members carrying ring binding elements and connected in pairs in a rocker-like manner, the spring base member having portions which are struck therefrom to present connecting surfaces for fastening the base member to a file or book binder, the said portions being located between and equispaced from ring binding elements which are located at opposite ends of the base member.

CLASS 182D. **140681.**

Int. Cl.-C13d 3/14.

PROCESS FOR PURIFYING SUGAR-CONTAINING LIQUIDS.

*Applicant* : ROHM AND HAAS COMPANY, INDEPENDENCE MALL WEST, PHILADELPHIA, UNITED STATES OF AMERICA.

*Inventors* : DAVID HENRY CLEMENS, MARVIN JOSEPH HURWITZ AND ROBERT WINN WALKER.

Application No. 2711/Cal/74 filed December 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for purifying sugar-containing liquid which comprises [illegible] with an anion exchange resin having a crosslinked vinylbenzyl chloride polymer matrix.

CLASS 17E. **140682.**

Int. Cl.-C12d 13/06. 140682.

PROCESS AND APPARATUS FOR THE PRODUCTION OF PROTEINS BY MICROBIOLOGICAL METHOD.

*Applicant* : SOCIETE D'ASSISTANCE TECHNIQUE POUR PRODUITS NESTLE S.A., OF PLACE DE LA GARE 4, LAUSANNE, SWITZERLAND.

*Inventor* : VLADIMIR KALINA.

Application No. 1072/Cal/75 filed May 27, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A process for the production of proteins by aerobic culture of a single cell microorganisms in a fluid nutrient medium therefor containing at least one source of carbon assimilable by the microorganism, in which a culture broth consisting of the fluid nutrient medium and of a cellular mass of the single cell microorganism is circulated in a closed loop between an upper level and a lower level, in which the broth is subjected, in a fermentation zone extending along an ascending side of the loop from the lower level, to the combined action of the frictional forces of bubbles of an oxygen containing gas or oxygen released under pressure into the broth, a mechanical force applying an upward thrust and at least one coupled of mechanical forces acting in a horizontal plane.

CLASS 84. & 136E. **140683.**

Int. Cl.-C10l 5/06.

METHOD OF MAKING PLASTIC COAL BRIQUETTS.

*Applicant* : GOSUDARSTVENNY VSESOJUZNY INSTITUT PO PROEKTIROVANIJU PREDPRIYATY KOXOKHIMICHESKOI PROMYSHIENNOSTIGIPROKOX, OF KHARKOV, ULITSA SUMSKAYA, 60, USSR.

*Inventors* : GRIGORY MIKHAILOVICH GRECHANICHENKO (2) EVGENY SAVELIEVICH GUSINSKY (3) ANATOLY SEMENOVICH PETRUKHNO AND EVGENY VLADIMIROVICH DOBROVOLSKY.

Application No. 2561/Cal/73 filed November 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A method of making plastic coal briquetts from gas coals and poorly caking coals, which comprises heating the said coals to a temperature of softening point of said coal, curing the said heated up coal under isothermal conditions, pressure forming said heated up coal at a pressure within a range from 2 to 15 kg/cm² for 5 to 15 seconds to obtain a plastic coal strip having required thickness of the briquetts to be made, and thereafter forming plastic coal briquetts from the said coal strip by forming under a similar pressure for 0.05 to 0.4 seconds.

CLASS 129B & G. **140684.**

Int. Cl.-B21c 1/14, 23/09.

METHODS OF AND APPARATUS FOR PRODUCING PRODUCTS OF CONTINUOUS LENGTH FROM WORKPIECES OF CONTINUOUS LENGTH.

*Applicant* : WESTERN ELECTRIC COMPANY, INCORPORATED, OF 195, BROADWAY, NEW YORK CITY, NEW YORK STATE, UNITED STATES OF AMERICA.

*Inventor* : FRANCIS JOSEPH FUCHS, JR.

Application No. 2359/Cal/73 filed December 23, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A method of producing a product of continuous length from a workpiece of continuous length wherein the workpiece continuously passes through a region where drag forces are applied to its surface to force it through an extrusion die to form the product, in which the drag forces are produced by continuously applying a driving force to one surface of a shear transmitting means the opposite surface of which surrounds and continuously operatively engages the entire periphery of the workpiece from the extrusion die to a point upstream thereof.

CLASS 107G. & H. **140685.**

Int. Cl.-F02d 5/00.

FUEL SYSTEM FOR ENGINES.

*Applicant* : C. A. V. LIMITED, OF WELL STREET, BIRMINGHAM 19, ENGLAND.

*Inventors* : MALCOIM WILLIAMS, CHRISTOPHER ROBIN JONES AND RICHARD WILLIAM CROOKES.

Application No. 2830/Cal/73 filed December 28, 1973.

Convention date January 6, 1973/(891/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A control system for the fuel supply system of an internal combustion engine, the fuel supply system including a pump for supplying fuel to an engine and pump control means for determining the amount of fuel supplied by the pump, the control system comprising a summing junction to which are fed electrical current signals representing demanded engine speed, actual engine speed, and actual pump output, a high gain amplifier having an input connected to said summing junction the output of said amplifier being applied to said control means, said amplifier setting the slope of the pump output versus speed curves of the engine, first speed sensitive means operating below a first predetermined engine speed to modify said slope to make it shallower, and so produce a smaller change in pump output for a given change of engine speed, second speed sensitive means operating below a second predetermined engine speed lower than said first predetermined engine speed to modify said slope to make it still shallower, and third speed sensitive means operating below a third predetermined engine speed lower than said second predetermined engine speed to modify said slope so that it is steeper than the slopes produced by the action of said first and second speed sensitive means.

CLASS 68A. 140686.

Int. Cl.-H02j 7/00.

BATTERY CHARGING SYSTEMS.

*Applicant* : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

*Inventor* : WILLIAM FRANK HILL.

Application No. 1950/Cal/73 filed August 24, 1973.

Convention date September 1, 1972/(40614/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

A battery charging system comprising a wound field alternator for charging the battery, a voltage regulator for controlling the output of the alternator by varying the current flow in the field winding of the alternator, a first freewheel path connected across said field winding and permitting continued flow of current in said field winding when the supply to the field winding is interrupted, a second freewheel path across said field winding and having a substantially higher rate of dissipation than the first freewheel path, and means operable when the output voltage of the alternator exceeds predetermined value in excess of the regulated value for disconnecting the first freewheel path whereby current flows through the second freewheel path.

CLASS 5C. 140687.

Int. Cl.-A01d 45/00.

CHAIN BELT TYPE AUTOMATIC PULLING AND CUTTING DEVICE FOR SUGARCANE AND THE LIKE CROPS.

*Applicant & Inventor* : KISAN FAKIRA CHAVAN, 1948-A, CHALKE BUILDING NEAR RANKALA TOWER, KOLHAPUR—MAHARASHTRA STATE, INDIA.

Application No. 288/Bom/73 filed August 27, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

Chain belt type automatic pulling and cutting device for sugarcane and the like crops, comprising (i) a sturdy frame-work with four wheels (ii) a pair of circular chain belts, mounted on two pairs of toothed wheels (iii) an air cooled engine to drive the said toothed wheels (iv) a set of bevel gears for transmitting power to the said pairs of toothed wheels to rotate the said pair of chain belts; there being provided a plurality of curved pickers to hold or firmly grip the sugarcane stalks, the said pickers being mounted on the said chain belts at regular intervals such that the said pickers rotate along with the said chain belts, there being provided plurality of fixed knives at regular intervals, the said knives being fixed to the under side of the frame-work and under the said chain belts, characterised in that the said chain belts are closer at the proximal end and wider apart on the distal end; the curved pickers, having an arch like shape and moving in the inward direction along with the chain belts, hold, or grapple and pull the stalk of sugar cane firmly to be cut by the said fixed knives; the equipment moves further when the said curved pickers catch hold of the sugarcane stalks in a row to pull it down to be cut when the process goes on.

CLASS 35E. 140688.

Int. Cl.-C04b 33/00, C04b 33/22.

A PROCESS FOR THE MANUFACTURE OF CASTING PIT REFRACTORIES OF BLOATING TYPE.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : DR. NIKHIL RANJAN SIRCAR AND SHRI RAMNARAYAN SINHA.

Application No. 2072/Cal/73 filed September 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the manufacture of casting pit refractories of bloating type wherein the process consists of the following steps : adding intimately halide/s of alkaline-earth metal/s to clay/s, and alkali and ferruginous constituents to the above constituents if the alkalis and ferruginous constituents are not present in the clay, to provide a batch for forming into any predetermined shape and size of casting pit refractories and for firing thereafter at temperatures in the range of 1100°C to 1400°C with the ultimate objective of developing some glassy phase at the temperature of firing and arresting evolution of gaseous phase at such temperatures.

CLASS 88Q & $108B_L$. 140689.

Int. Cl.-F27b 7/08, C21b 13/08.

IMPROVEMENTS IN OR RELATING TO ROTARY ORE-REDUCING KILNS.

*Applicant* : ALLIS-CHALMERS CORPORATION, OF 1126 SOUTH 70TH STREET, WEST ALLIS 14, WISCONSIN, UNITED STATES OF AMERICA.

*Inventors* : EUGENE FRANK ROSSI.

Application No. 2364/Cal/73 filed October 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process of reducing a charge of ore in a rotary kiln having nozzles mounted thereon through which fluids are injected into the kiln, characterized by the steps of :—

(a) delivering a first fluid through each nozzle as it passes beneath the charge of ore in the kiln as the nozzle rotates with the kiln,

(b) interrupting the delivery of the first fluid through each nozzle when, during rotation of the kiln, the nozzle moves above the charge of ore,

(c) simultaneously with the delivery of the first fluid through the nozzles passing beneath the ore charge, delivering a second fluid through each nozzle as it passes above the ore charge in kiln as the nozzles rotate with the kiln,

(d) interrupting the delivery of the second fluid through each nozzle when, during rotation of the kiln, it moves again beneath the charge of ore in the kiln, and

(e) continuing the alternate admission of said first and second fluids to each of the nozzles at preselected positions in the movement of the nozzles as they rotate with kiln under the above the ore charge to produce reduced ore.

CLASS $6A_8$ & $120B_4$ & $C_1$ & $C_8$. 140690.

Int. Cl.-B67d 5/04.

LUBRICATION SYSTEM FOR A MOTOR COMPRESSOR UNIT.

*Applicant* : CARRIER CORPORATION, AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : STANTON DAVIES AND TADEK M. KROPIWNICKI.

Application No. 2437/Cal/73 filed November 5, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A lubrication system for a hermetically sealed compressor including a crankshaft, means to rotate said crankshaft, means defining a reservoir of lubricating oil said lubricating oil having

foreign particles entrained therein, and bearing means journaling said crankshaft, said lubrication system comprising passage means provided in said crankshaft for the passage of lubricating oil therethrough, the foreign particles entrained in said lubricating oil being accumulated in a first portion of said passage means; centrifugal pump communicating with said reservoir means and said passage means, said centrifugal pump delivering lubricating oil from said reservoir means to said passage means; a plurality of feed holes communicating said passage means and said bearing means to provide lubricating oil to said bearing means, and means for receiving said accumulated foreign particles to prevent said foreign particles from being provided to said bearing means, said receiving means being alignable with said passage means in said crankshaft so that the foreign particles accumulated in said first portion of said passage means will move therefrom into said receiving means.

CLASS 17A$_2$. 140691.

Int. Cl.-C12g 3/02.

PROCESS FOR PREPARING FLAVOURED ALCOHOLIC BEVERAGE FROM TODDY YIELDING PLANTS.

*Applicant* : KRISHNASWAMY NARAYANAN, SPECIAL SECRETARY TO GOVERNMENT OF KERALA, INDUSTRIES DEPARTMENT, GOVERNMENT SECRETARIAT, TRIVANDRUM, KERALA, PULLUKAT THOMAS JOSEPH, DIRECTOR, INDUSTRIAL TESTING AND RESEARCH LABORATORY, TRIVANDRUM 19, KERALA AND HARIHARAN SREEMULA NATHAN, SENIOR SCIENTIFIC OFFICER, INDUSTRIAL TESTING AND RESEARCH LABORATORY, TRIVANDRUM-19, KERALA.

*Inventor* : HARIHARAN SREEMULA NATHAN.

Application No. 188/Mas/73 filed December 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims. No drawings.

Process for preparing a flavoured alcoholic beverage comprising :

Collecting uncontaminated sweet toddy from toddy yielding plants such as cocos nucifera in a container containing a preservative consisting of a mixture of calcium carbonate, sodium carbonate and an alkali metal bisulphite in the ratio of 25 : 2 : 1 parts by weight, acidifying the said mixture containing the sweet toddy and the preservative by conventional method to a pH of upto 5.0 followed by sterilization;

cooling and inoculating the so obtained sterilized mixture with a strain of yeast saccharomyces cerevisiae to obtain the flavoured alcoholic beverage.

CLASS 145C. 140692.

Int. Cl.-D21j 1/18.

PROCESS FOR MAKING BOARDS SUCH AS PARTITION BOARDS, HARD BOARDS.

*Applicant* : KRISHNASWAMY NARAYANAN, SPECIAL SECRETARY TO GOVERNMENT OF KERALA, INDUSTRIES DEPARTMENT, GOVERNMENT SECRETARIAT, TRIVANDRUM, DR. PULLUKAT THOMAS JOSEPH, DIRECTOR, INDUSTRIAL TESTING AND RESEARCH LABORATORY, TRIVANDRUM 19, KERALA AND NARAYANA PILLAI BALAKRISHNAN NAIR, RESEARCH OFFICER, INDUSTRIAL TESTING AND RESEARCH LABORATORY, TRIVANDRUM-19, KERALA.

*Inventor* : NARAYANA PILLAI BALAKRISHNAN NAIR.

Application No. 189/Mas/73 filed December 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Paent Office, Madras Branch.

3 Claims. No drawing.

Process for making boards such as partition boards and hard boards comprising;

(i) cooking Salvania Auriculata with an alkali hydroxide solution such as sodium hydroxide for 6 to 8 hours in a digester, removing the excess solution of alkali hydroxide by conventional methods and homogenizing by mixing the resultant cooked mass;

(ii) preparing paddy straw pulp in a manner as described in step (i);

(iii) mixing the so obtained products of steps (i) and (ii) in a ratio of 70-85 : 15-30% by weight and preferably in a ratio of 80 : 20% by weight;

(iv) adding 0.5% by weight rosin, alum and china clay, and if desired known colouring matter and/or starch to the so obtained mixture of step (iii);

(v) removing water from the above mixture of step (iv) by filtration and subsequently pressing, air drying, calendering and cutting the same to desired shape and size by conventional method.

CLASS 32D. 140693.

Int. Cl.-C07c 99/12, 101/02.

A PROCESS FOR THE PREPARATION OF LYSINO-CALCIUM CHLORIDE AND THE PHARMACEUTICALLY ACCEPTABLE ACID ADDITION SALTS THEREOF.

*Applicant* : UCB, S.A., OF 4, CHAUSSEE DE CHARLEROI, SAINT-GILLES-LEZ-BRUXELLES, BELGIUM.

*Inventors* : JEAN GEORGE GOBERT AND JEAN ADOLPHE CLOSE.

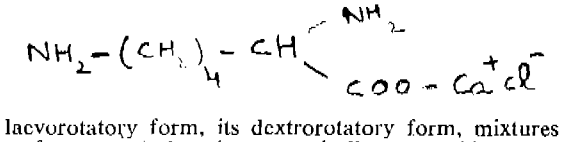
Application No. 2829/Cal/73 filed December 28, 1973.

Convention date January 2, 1973/(192/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

A process for the preparation of lysino-calcium chloride of the formula I.



its laevorotatory form, its dextrorotatory form, mixtures of these forms, and the pharmaceutically acceptable acid addition salts thereof, which comprises reacting the corresponding isomeric form of lysine monohydrochloride in a reaction medium selected from water, anhydrous alcohol and aqueous alcohol, with a calcium compound selected from calcium hydroxide and calcium oxide, and, if desired, mixing the L and D forms and, if desired, converting the resulting lysino-calcium chloride into a pharmaceutically acceptable acid addition salt thereof by a method such as herein described.

CLASS 87C. 140694.

Int. Cl.-A63b 59/08.

CRICKET BAT.

*Applicant & Inventor* : BARRIE JOHN WHEELER, OF MIDDLEFIELD COTTAGE, GREAT SHELFORD, CAMBRIDGE, ENGLAND AND ARTHUR WINSTON BUCKTON GARNER, C/O MIDDLEFIELD COTTAGE, GREAT SHELFORD, CAMBRIDGE, ENGLAND.

Application No. 156/Cal/75 filed January 27, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A cricket bat comprising a handle to which is connected a blade shaped to provide a front striking surface and a rear surface at the side opposed to the striking surface, characterised in that the rear surface is formed with one or more recessions so disposed that the blade is of maximum thickness at or adjacent the periphery of the blade.

CLASS 66D$_4$ & D$_7$. 140695.

Int. Cl.-H01r 33/00, F21v 21/00.

LAMP ASSEMBLY.

*Applicant* : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

*Inventors* : KENNETH JAMES JONES AND JOHN WEBSTER CRANMORE.

Application No. 309/Cal/75 filed February 18, 1975.

Convention date March 1, 1974/(9259/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A lamp assembly comprising a body, a plurality of electrical contact areas on the body, and a plurality of bulbholders detachably engaged with the body each bulbholder carrying at least one contact which is urged into abutment with a respective one of the contact areas, wherein each said contact is integrally formed with a connector which is engaged with and supported by an electrical terminal carried by the respective bulbholder.

CLASS 143D$_5$ & D$_{10}$. 140696.

Int. Cl.-B65b 19/00.

APPARATUS WITH A ROTATABLE HEAD FOR SUPPLYING CIGARETTES TO THE INFEED HOPPERS ON HIGH SPEED CIGARETTE PACKETING MACHINES.

*Applicant* : G. D. SOCIETA PER AZIONI, OF VIA POMPONIA 10, BOLOGNA, ITALY.

*Inventor* : ENZO SERAGNOLI.

Application No. 500/Cal/75 filed March 14, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Apparatus for supplying cigarettes to the infeed hoppers on high speed cigarette packeting machines, on which the said cigarettes are grouped together in containers of a width substantially equal to the length of the cigarettes, open either at one side or at the front, which are aligned parallel with one another in Indian file on at least one conveyor belt moving in a succession of steps, essential features of the said apparatus being that it comprises a box shaped head rotatably movable around a horizontal shaft, the said box shaped head having at least one pair of opposite cavities open at least on one side and along the top, the latter aperture being in the form of a discharge mouth, each cavity being designed to accept one container of cigarettes in a specular position, one upside down with respect to the other, the top of the container being positioned by the said discharge mouth; movable means supported by the said head for opening and closing each discharge mouth; transfer means that engage with one container at a time for removing it from the conveyor belt to within a cavity in the movable head and from another cavity therein back to the conveyor belt, respectively; means for operating the said transfer means; means for causing the said movable head to rotate around its aforementioned horizontal shaft in such a way as to reverse the specular position of the containers housed in the said corresponding cavities; means for operating the said means which open and close the discharge mouths and electromechanical means connected to the means for operating the transfer means, the means for operating the rotatable head, the movable means for opening and closing the discharge mouths, as well as the conveyor belt in a succession of steps on a cyclic inter synchronized phase relationship basis.

CLASS 129Q. 140697.

Int. Cl.-B23k 37/00, 35/00.

WELDING APPARATUS.

*Applicant* : AEROJET-GENERAL CORPORATION, AT 9100 EAST FLAIR DRIVE, EL MONTE, CALIFORNIA, 91734, UNITED STATES OF AMERICA.

*Inventor* : CARL LEE KELLEY.

Application No. 319/Cal/74 filed February 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Apparatus for welding an elongated seam between adjacent metal plates, which metal plates have run-off extension tabs secured thereto so as to form between the run-off tabs a short extension of the elongated seam, said welding apparatus including a welding unit having a plate crawler structure for tracking said seam a substantial distance in advance of the welding site, characterised by a guide plate means comprising first and second guide plates each having similar elongated slots formed therein and positioned in over-lying relation to one another with said slots in registry and with said guide plates being adapted for positioning in abutting relation to said adjacent metal plates so as to effect alignment of said registered slots and said elongated seam, said guide plates having notches on either side of said registered slots at a position adjacent their points of abutment with said metal plates for providing respective sites for the run-off extension tabs; locating means for releasably clamping said guide plates means to said metal plates to position the run-off tabs in the guide plate notches and align the registered slots of the guide plates with the elongated seam; and

adjustment means for effecting a variation in the spacing between said first and second guide plates to permit adjustment of the effective, combined thickness of said guide plates to a value substantially corresponding to the thickness of said adjacent metal plates for permitting said welding unit to track onto said guide plate means and along said registered slots and fully complete welding of said adjacent metal plates.

CLASS 68C & 160C. 140698.

Int. Cl.-G05d 13/00.

SKID CONTROL SYSTEM FOR A VEHICLE.

*Applicant* : KELSEY-HAYES COMPANY, OF 38481 HURON RIVER DRIVE, ROMULUS, MICHIGAN 48174, UNITED STATES OF AMERICA.

*Inventor* : THOMAS MICHAEL ATKINS.

Application No. 1891/Cal/74 filed August 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A skid control system comprising :

a wheel speed sensor for providing an output signal representative of the speed of said wheel;

a skid detector responsive to said wheel speed sensor output signal for detecting a skid condition at said wheel and for providing an output signal representative of said detected skid condition;

a skid recovery detector responsive to said wheel speed sensor output signal for detecting the recovery of said wheel from a skid condition and for providing an output signal representative of said recovery;

timing means responsive at least at times to said skid detector output signal and said skid recovery detector output signal for providing an output signal in accordance with the occurrences thereof; and

output means for relieving the brake for said wheel at least at times in response to skid detector output signal and for maintaining the brake for said wheel relieved at least at times in response to said timing means output signal.

CLASS 32F$_3$b & 55E$_5$ & 60X$_3$a. 140699.

Int. Cl.-C07d 99/22.

A METHOD OF PREPARING D(-)-ALPHA-AMINO-P-HYDROXY BENZYL PENICILLIN FROM NATURAL PENICILLINS.

*Applicant* : ARCHIFAR INDUSTRIE CHIMICHE DEL TRENTINO S.P.A., OF VIA DEI COLLI 9-ROVERETO, TRENTO, ITALY.

*Inventor* : GUISEPPE SCARPITTA.

Application No. 2454/Cal/74 filed November 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method for directly preparing D(-)-alpha-amino-p-hydroxy-benzyl penicillin from natural penicillins, preferably benzyl penicillin and phenoxymethyl penicillin or from organic extraction liquids of the fermentation broths thereof, wherein the natural penicillin is esterified with an alkylchlorosilane in the presence of a chlorinated solvent and a tertiary base, converted to the corresponding iminochloride by addition of a chlorinating agent and then to the iminoether by treatment with a primary alcohol containing 1 to 4 carbon atoms, wherein the iminoether is reacted at a temperature in the range of—30°C to 0°C with an equimolar amount of water to provide an imidate which is immediately reacted with a mixed anhydride of D(-)-N-(1-methyl-2-carbethoxyvinyl)-alpha-amino-alpha-(p-hydroxy-phenyl) acetic and pivalic acid in acetone at a pH in the range of about 6.5 and about 9 to provide a highly reactive unstable compound, instantaneously converting to amoxycillin having its amino group protected, and which is hydrolized with diluted mineral acids at pH 1-3 and at about -5°C and +5°C and then precipiated by bringing the pH to about 4.5 and 5.5.

CLASS 195C. 140700.

Int. Cl.-F16k 11/14.

MIXER TAP WITH INDEPENDENT FLOW CONTROLS.

*Applicant & Inventor* : AURORA KEMPLER, OF 5, RUE MAURICE BAES, LA VARENNE (CAT DE MARNE), FRANCE.

Application No. 1724/Cal/73 filed July 24, 1973

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A mixer tap for mixing a first and second flow of fluid comprising a body provided with a spout and with a first and a second housing in communication with the interior of the body and the delivery spout and respectively with the first and the second flow of fluid to be mixed, a first closure means whose inlet is connected to the first fluid flow and whose outlet is open to the body of the tap, this first closure means being accommodated in the first housing of the body and a second closure means whose inlet is connected to the second fluid flow and whose outlet is open to the body of the tap, this second closure means being accommodated in the second housing of the body, the first and second closure means each being controlled independently by a control means and the two control means being displaceable in the same direction along close parallel paths between an opening position and a closing position, the positions of the control means on the two paths being such that these means remain accessible to one hand.

CLASS 99D & 179E. 140701.

Int. Cl.-B65d 39/00.

IMPROVEMENTS IN OR RELATING TO CONTAINERS.

*Applicant* : BOWATER PACKAGING LIMITED OF BOWATER HOUSE, KNIGHTSBRIDGE, LONDON, SWIX 7LR, ENGLAND.

*Inventor* : NIGEL JOHN JURY AND MARTYN ROWLANDS.

Application No 1909/Cal/73 filed August 18, 1973.

Convention date August 18, 1972/(38662/72), U.K.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

23 Claims

An assembly comprising two elements, namely, a container and a closure cap for the container, wherein one of the elements is provided with at least one inwardly extending projection, and the other element is provided with at least one outwardly extending projection which projections are engageable, by a relative turning movement in one sense between the cap and the container, to secure the cap on the container, and the cap and the container are each provided with a member, one of the members being frangibly connected to its corresponding element; the two members being so arranged and constructed that the cap can be secured on the container, by the relative turning movement in the said one sense, without breaking the frangible connection, and that when an attempt is made to remove the cap from the container by a relative turning movement in the opposite sense, one member so engages the other member that removal of the cap from the container is prevented unless the frangible connection is broken, in which assembly one only of the two members is constituted by one of the projections.

CLASS 24D. 140702.

Int. Cl.-B60t 13/22.

IMPROVEMENTS IN AND RELATING TO SERVO-BOOSTERS FOR VEHICLE BRAKING SYSTEMS.

*Applicant* : GIRLING LIMITED, OF KINGS ROAD, TYSELEY BIRMINGHAM 11, WARWICKSHIRE, ENGLAND.

*Inventors* : ALEXANDER JOHN WILSON.

Application No. 1964/Cal/73 filed August 27, 1973.

Convention date September 8, 1972/(41763/72), U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A differential-pressure operated servo-booster for a vehicle braking system, of the type in which a load actuating member is displaceable by the application of differential fluid pressure across a movable wall, and comprising a valve which includes a flexible valve closure member and which is arranged to selectably alter the pressure on one side of the movable wall relative to that on the other side, and an annular deflecting plate in the form of an annular disc of flexible sheet material which is corrugated with radially extending, alternate flat-topped ridges and flat-bottomed channels of substantially equal pitch and uniform depth.

CLASS 107H. 140703.

Int. Cl.-F02m 55/00.

FUEL INJECTION PUMPING APPARATUS.

*Applicant* : C.A.V., LIMITED, OF WELL STREET, BIRMINGHAM B19 2XF ENGLAND.

*Inventors* : MOSHE DRORI.

Application No. 2083/Cal/73 filed September 12, 1973.

Convention date September 12, 1972/(42274/72), U.K.

Addition to No. 136231.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A liquid fuel injection pumping apparatus for supplying fuel to an internal combustion engine and comprising a body part, a rotary distributor mounted in the body part, an outlet passage in the body part adapted for connection to an injection nozzle of an associated engine and a fuel delivery passage in the distributor member, said delivery passage communicating with the pumping chamber of an injection pump and being arranged to register with said outlet passage during delivery of fuel by said injection pump, the apparatus also incorporating a delivery valve disposed in one of said passages, said delivery valve including a spring-loaded valve element which is opened by the flow of fuel from the injection pump, a valve controlled vent passage in the body part and a vent conduit in the distri-

butor, said vent conduit communicating with said delivery passage at a point intermediate the pumping chamber and said delivery valve, and with the vent passage during a delivery stroke of the injection pump, the valve controlled vent passage comprising a passage having at its end adjacent the exterior of the body part a screw-threaded portion to receive a complementarily screw-threaded plug which can be loosened or removed from the passage to permit bleeding of air, the passage also defining at its end adjacent the distributor, a seating, a valve element for co-operation with said seating and resilient means biasing the valve element into contact with the seating.

CLASS 25C & 27C. 140704.

Int. Cl.-E04c 1/04, 1/06.

A PREFABRICATED BUILDING FRAMEWORK AND A BUILDING INCORPORATING THE SAME.

*Applicant* : ESTABLISSEMENT FRESA, AT VADUZ, PRINCIPALITY OF LIECHTENSTEIN.

*Inventor* : PIERRE FAUCHEUX.

Application No. 2224/Cal/73 filed October 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims

A prefabricated building framework comprising base plates, to be laid on the ground, provided with spaced protuberances, posts provided with an axial bore, to be set up on such protuberances, multidirectional support members provided each with a stud for engaging the upper end of the axial bore of said posts, and beams provided with end-recesses for resting on said multi-directional support members.

CLASS 5D. & 127C. 140705.

Int. Cl.-F16h; 7/08.

VARIABLE SPEED BELT DRIVE FOR AN AGRICULTURAL MACHINE.

*Applicant* : DEERE & COMPANY, OF MOLINE, ILLINOIS, U.S.A.

*Inventors* : BERNARD FRANCIS VOGELAAR, MAHLON LLOYD LOVE & CHARLES EDWARD COOK.

Application No. 2341/Cal/73 filed October 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A variable speed belt drive for an agricultural machine wherein an input drive sheave 32 is belt coupled 36 to a first driven sheave 34 of fixed diameter on an intermediate shaft 102 which carries a second drive sheave 40 of adjustable diameter, the second drive sheave being belt-coupled 38 to a second variable diameter driven sheave 42 having an axially fixed sheave element 142 and an axially shiftable sheave element 160 resiliently biased by spring 200,202 to tend to maximise the diameter of the second driven sheave, the shiftable element 160 of the second driven sheave 42 also being rotatable relative to the fixed element 142 thereof and cam means 148 being provided between these two elements for moving the said shiftable element 160 axially in a direction to supplement the bias thereon when an increased torque load on the second driven sheave 42 causes the shiftable element to rotate relative to the said fixed element 142, the intermediate shaft 102 being mounted on an arm 48 so as to be freely movable transversely to its axis so as to transmit tension from the belt coupling 38 between the second drive 40 and driven 42 sheaves to the belt-coupling 36 between the input sheave 32 and the first driven sheave 34 and the second drive sheave 34 including an axially fixed element 82 and an element 87 which is axially shiftable, irrespective of the torque load on the second driven sheave, to adjust the diameter of the second drive sheave.



CLASS 158B. 140706.

Int. Cl.- B61g. 9/20.

A DRAFT GEAR INCLUDING A BOX-LIKE HOUSING OPEN AT ONE END AND A REMOVABLE CLOSURE PLATE FOR CLOSING THE SAID OPEN END.

*Applicant* : MIDLAND ROSS CORPORATION, OF 55, PUBLIC SQUARE, CLEVELAND, OHIO 44113, UNITED STATES OF AMERICA.

*Inventors* : GEORGE ELMER HUML AND DONALD WILLISON.

Application No. 2636/Cal/73 filed November 30, 1973.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

9 Claims

A draft gear including a box-like housing open at one end the housing being partly formed of a pair of walls that are horizontal in normal use and a pair of walls that are vertical in normal use a removable closure plate insertable between the walls for closing the open end of the housing, one pair of the walls extending rearwardly of the ends of the other pair of walls, each of the rearwardly extending of the other pair of walls, eath of the rearwardly extending walls having an inturned flange at its end to provide a forwardly facing abutment surface, the plate having a flange portion at each side thereof which can be disposed opposite to the abutment surface when the closure plate is inserted in the open end of the housing, key means being insertable between the abutment surface and the flange portion to limt rearward movement of the closure plate relative to the housing and further including fixed stops one on each of the pair of rearwardly extending walls in an opposed relation to one end of the key means to preclude lengthwise movement of the key means in one direction, and a key retainer member on each of the rearwardly extending walls in opposed relation to the other end of the key means to preclude lengthwise movement thereof in the opposite direction.

CLASS 68A. 140707.

Int. Cl. H02j; 7/00.

ELECTRIC CIRCUITS FOR AUTOMATIC BATTERY CHARGING APPARATUS.

*Applicant* : ELECTRIC POWER STORAGE LIMITED, OF 50 GROSVENOR GARDENS, LONDON, S.W.I. ENGLAND.

*Inventors*: GEORGE WILLIAM FORSTER, AND DENNIS ALBERT CLAYTON.

Application No. 2795/Cal/73 Filed December 22, 1973.

Convention date December 29, 1972 (60062/72), U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

15 Claims

Automatic electric battery charging apparatus including means for temporarily interrupting the charging current for periods, which may be referred to as open-circuit intervals, the duration of each of which depends on the fall of battery voltage during the open-circuit interval, and means for finally interrupting or modifving the charging circuit to terminate the charge. or a phase of the charge, when the ratio of the duration of an open-circuit interval to that of a preceding open-circuit interval is below a predetermined value in respect of more than one pair of successive open circuit intervals.

CLASS 154G. 140708.

Int. Cl.-B41m; 5/00.

A DIRECT TRANSFER CONTACT COPYING PAPER.

*Applicant* : KORES (INDIA) LIMITED, OF PLOT NO. 10, OFF : DR. MOSES ROAD, WORLI, BOMBAY-18 (W.B.), MAHARASHTRA, INDIA.

*Inventor* : ARVIND MANGESH WAGH.

Application No. 19/Bom/74 filed January 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A direct transfer contact copying paper the upper surface whereof is provided with a colour acceptor layer comprising a wax or waxy material such as herein described and the lower surface whereof is provided with a colour transfer layer characterized in that said colour transfer layer comprises a colour agent such as herein described and a binder consisting of one or more synthetic resins such as herein described in combination with a metallic soap such as herein described.

CLASS 24D, & 4. 140709.

Int. Cl. B60f; 13/04.

IMPROVEMENTS IN OR RELATING TO PRESSURE CONTROL VALVES.

*Applicant* : GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM-11, ENGLAND.

*Inventor* : GLYN PHILLIP REGINALD FARR.

Application No. 1185/Cal/74 filed 30 May, 1974.

Convention date June 11, 1973 (27768/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

4 Claims

A load-conscious control valve assembly for use in a vehicle braking system comprising a normally open control valve having a housing, an inlet and an outlet in the housing, and a valve member movable against a pre-load to close the valve in response to inlet pressure, the pre-load being transmitted to the valve member by a resiliently biased lever mounted on the housing and arranged to pivot on an edge of the housing.

CLASS 176F. 140710

Int. Cl.-F22b 15/00, 19/00.

A SOLID FUEL FIRED BOILER UNIT EMPLOYING A COIL TYPE STEAM BOILER FOR GENERATION OF STEAM.

*Applicant* : WANSON (INDIA) PRIVATE LIMITED, OF CHINCHWAD, POONA 19, MAHARASHTRA, INDIA.

*Inventor* : MANOHAR PANDURANG RAO.

Application No. 391/Bom/73 filed November 30, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A solid-fuel fired boiler unit comprising a coil-type steam boiler positioned directly above a solid-fuel fired furnace for generating flue gases for circulation around the coils of the steam boiler, a forced draft fan provided on the unit for feeding air to the furnace for combustion and an induced draft fan also provided on the unit for discharge of flue gases, and, in combination with said forced draft fan, for maintaining a high speed circulation of flue gases around said coils.

CLASS 62D. 140711.

Int. Cl.-D06c 1/00.

A PROCESS FOR THE TREATMENT OF CELLULOSIC TEXTILES FOR IMPARTING IMPROVED ABRASION RESISTANCE, WATER REPELLENCY AND WET CREASE RECOVERY SIMULTANEOUSLY WHILE MAINTAINING THE STRENGTH PROPERTIES.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : MRS. KAMLESH GUPTA AND DR. MRS. GIDADHUBLI RAGHAVENDRA PHALGUMANI.

Application No. 722/Cal/73 filed March 30, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for the chemical treatment of cellulosic textiles for imparting improved abrasion resistance, retained tensile strength, water repellency and wet crease recovery simultaneously while maintaining strength properties comprising treating the cellulosic textiles first with fatty alkyl acids having carbon chain from $C_8$-$C_{18}$ and then with epichlorohydrin vapours in presence of a bsic catalyst.

CLASS 155D. 140712.

Int. Cl.-A01n 17/12.

DISPENSERS FOR THE CONTROLLED RELEASE OF PEST-CONTROLLING AGENTS AND PEST ATTRACTANTS.

*Applicant* : HERCULITE PROTECTIVE FABRICS CORPORATION, OF 1107 BROADWAY, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : HENRY VON KOHORN AND AGIS FRANK KYDONIEUS.

Application No. 2196/Cal/73 filed September 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claim

A dispenser for the controlled release of pest controlling agent(s) comprising a laminated article provided with layers of solid, non-porous, polymeric materials of the nature, dimension and arrangement such as hereinbefore described adapted to contain at least one pest control agent and at least one pest attractant agent for the target pest species against which said pest control agent is effective, such pest control agent being contained in an interior solid, non-porous, polymeric layer of said laminated article, and capable of migrating to the surface of said laminated article in amounts effective to control the target pest species, said pest control agent(s) being relatively less volatile than said pest attractant agent(s) held in an interior solid-non-porous polymeric layer of the said laminated article protected from the environment and capable of migrating to the surface of said laminated article to be available for the attraction of the target species and, in order to reach the surface of said laminated article, must pass through at least one other solid, non-porous, polymeric control layer which permits only very gradual migration of said pest attractant agent to said surface in order to control the release of effective amounts of said pest attractant agent over prolonged period of time substantially coordinated with the effective life of the pest control agent on the exposed surface of said laminated article.

CLASS $32_{5}$c & $F_{10}$d. 14013.

Int. Cl.-C07c 27/08.

PROCESS FOR THE PREPARATION OF CYCLOALKANONES AND/OR CYCLOALKANOLS.

*Applicant* : STAMICARBON B. V., OF GELEEN, THE NETHERLANDS.

*Inventors* : CORNELIS GERARDUS MARIA VAN DE MOESDIJK AND ANDREAS MATHIAS JOZEF THOMAS.

Application No. 2547/Cal/73 filed November 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

21 Claims

Process for the preparation of cycloalkanones and/or cycloalkanols by catalytic hydrogenation of cyloalkyl hydro-peroxides, characterized in that use is made of a finely divided catalyst that is suspended in the reaction medium and contains a noble metal from Group VIII of the Periodic system of elements.

CLASS 39K. 140714

Int. Cl.-C01b 25/18.

PROCESS FOR PREPARATION OF PURIFIED PHOSPHORIC ACID.

*Applicant* : MIZUSAWA KAGAKU KOGYO KABUSHIKI KAISHA, OF NO. 2-22, IMABASHI, HIGASHI-KU, OSAKA, JAPAN.

*Inventors* : YUJIRO SUGAHARA, YOSHIBUMI NOSHI, HIROYUKI NATTO, AKIRA TAKAHASHI AND SYOJI SYOJI.

Application No. 2592/Cal/73 filed November 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

15 Claims

A process for the preparation of phosphoric acid which comprises mixing phosphate rock with sulfuric acid, molding the mixture into granules, drying, if necessary, the mixture before, after or during the molding step, to thereby form a solid granular phosphate rock-sulfuric acid reaction product having a transfer index ranging from 0.8 to 3.2, said transfer index being defined by the following formula.

$$E = \frac{(P_2O_5)}{100 - (CaO) + (SO_3) + (P_2O_5) + (F) + (M)}$$

wherein $(P_2O_5)$ stands for the weight percent of $P_2O_5$ contained in the phosphate rock-sulfuric acid reaction product, (CaO) stands for the weight percent of CaO contained in said reaction product, $(SO_3)$ designates the weight percent of $SO_3$ contained in said reaction product, (F) indicates the weight percent of F contained in said reaction product (M) stands for weight percent of the sum of $Al_2O_3$, $SiO_2$, $Fe_2O_3$ and MgO, and E designates the transfer index, and extracting selectively the phosphoric acid component from said solid granular reaction product with use of an organic solvent.

CLASS 110. 140715

Int. Cl.-D04b 7/00.

METHOD AND MACHINES OF PRODUCING A NEEDLED FABRIC STRUCTURE AND NEEDLED FABRIC STRUCTURE SO PRODUCED.

*Applicant* : THE FIBERWOVEN CORPORATION, OF EAST MAIN STREET, ELKIN, NORTH CAROLINA, UNITED STATES OF AMERICA.

*Inventor* : ALEXANDER MARTIN SMITH.

Application No. 440/Cal/74 filed March 1, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

42 Claims

A method of producing a needled fabric structure comprising advancing a web of previously needled fibres forwardly through a needling zone, ensuring that the web passing forwardly through the needling zone undergoes a transverse oscillation therein whose amplitude decreases in the forward direction, and needling the web during its transverse oscillation in the needling zone, whereby the resultant needled fabric structure has improved fibre entanglement.

CLASS 32E. 140716

Int. Cl.-C08f 3/20.

PROCESS FOR POLYMERIZING $\alpha$-OLEFINES.

*Applicant* : HOECHST AKTIENGESELLSCHAFT (FORMERLY KNOWN AS FARBWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING), (FORMERLY OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN) BUT NOW OF 6230 FRANKFURT/MAIN FEDERAL REPUBLIC OF GERMANY.

*Inventor* : MANFRED ENGELMANN.

Application No. 1180/Cal/74 filed May 29, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings

Process for preparing a polyolefine of medium molecular weight having a viscosity range of from 100 to 100 000 cP by polymerization of at least one olefine having the formula R-CH-$CH_2$, wherein R means an alkyl radical having from 1 to 30 carbon atoms, as well as by copolymerization of at least one of these olefines with ethylene in the presence of a mixed catalyst consisting of a titanium-containing component (component A) and of an aluminiumorganic compound (component B), wherein the polymerization is carried out at a temperature of from 100 to 160°C in the presence of a mixed catalyst the component A of which represents the reaction product of the chloride and/or an alcoholate of the tetravalent titanium and an alcoholate of magnesium and or magnesium compound containing hydroxyl groups/ and optionally of a chloride or alcoholate of silicone and or aluminium provided that alkoxy groups and chlorine have to be present in the reaction system, and that component B of which is an aluminium organic compound containing chlorine and hydrocarbon radicals in which the atomic proportion of Al : Cl is from 4 1 to 0.8 : 1 wherein the concentration of components A and B are as herein defined.

CLASS 129Q. 140717

Int. Cl.-B23k 23/00.

A PROCESS FOR PREPARING A METALLIC MELT ESSENTIALLY CONSISTING OF COPPER.

*Applicant* : TH. GOLDSCHMIDT AG, OF GOLDSCHMIDTSTRASSE 100, 43 ESSEN, WEST GERMANY.

*Inventors* : THEODOR FINSTER, DR. HANS-DIETER FRICKE AND HORST SCHUMANN.

Application No. 1684/Cal/74 filed July 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings

A process for preparing a metallic melt essentially consisting of copper, in particular for the welding of copper cables and earthing cables to rails, which comprises admixing 70 to 75 parts by weight of copper oxide with an oxygen content 14 to 15% by weight, 25 to 30 parts by weight of aluminium/copper alloy with a ratio by weight of about 1 : 1 and a grain size 0.15 mm and 1.0 mm and 0.1 to 0.5 parts by weight of fine carbon with a grain size 0.2 mm, and heating the said mixture.

CLASS 32F2b & 60X2d. 140718

Int. Cl.-C07d 22/22.

PROCESS FOR PREPARING AROYL-SUBSTITUTED PYRROLES.

*Applicant* : MCNEIL LABORATORIES, INCORPORATED, AT CAMP HILL ROAD, FORT WASHINGTON, PENNSYLVANIA, U.S.A.

Inventor : JOHN ROBERT CARSON.

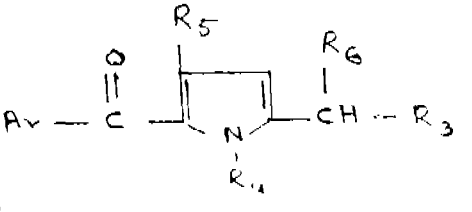
plication No. 1126/Cal/75 filed June 5, 1975.

Division of Application No. 129759 filed December 28, 1970.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for preparing a compound of formula (I-c).




wherein

Ar represents a member selected from the group consisting of phenyl, thienyl, 5-methylthienyl, monosubstituted phenyl and polysubstituted phenyl, each substituent of said substituted phenyls being a member selected from the group consisting of halo, lower alkyl, trifluoromethyl, lower alkoxy, nitro, amino, methylthio and cyano;

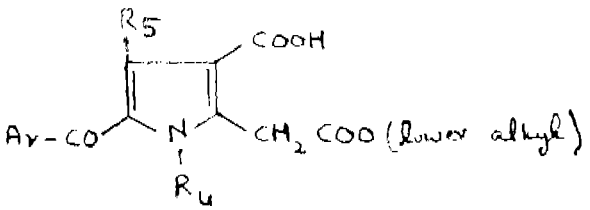
$R_3$ represents a member selected from the group consisting of COOH and COO-(lower alkyl);

$R_4$ represents lower alkyl;

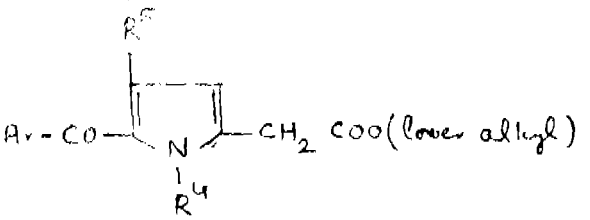
$R_5$ represents lower alkyl; and

$R_6$ represents a member selected from the group consisting of hydrogen and lower alkyl;

which comprises decarboxylating a compound of the formula XXXII(A).




wherein Ar, $R_4$ and $R_5$ have above given meanings by heating in a suitable basic organic solvent to prepare compound of formula XXXII(B).




and N-alkylating those products wherein the nitrogen of the pyrrole group is unsubstituted, by conventional techniques, followed by C-alkylation of the $\alpha$-unsubstituted compound; and, if desired, converting the obtained product to the corresponding free carboxylic acid by hydrolysis in a manner known per se and in the instance wherein it is desired to prepare compound of formula (1-e) wherein $R_6$ is lower alkyl group, alkylating the corresponding compound wherein $R_6$ is hydrogen by means of convention alkylation techniques, preferably with the use of lower alkyl halide in the presence of a strong base, and, if desired, preparing thereapeutically active salts of the formula (1-e) by treatment with an appropriate base.

CLASS 40F. 140719

Int. Cl.-B01j 1/04.

A METHOD FOR REMOVAL OF ARSENIC FROM GIAMMARCOVETROCOKE PROCESS WASTE EFFLUENT.

*Applicant & Inventor* : RAJAGOPALAN NATARAJAN AND THERI NADAR CHELLATHURAI, SOUTHERN PETROCHEMICAL INDUSUTRIES CORPORATION LTD., TUTICORIN, TIRUNELVELI DISTRICT, TAMIL NADU.

Application No. 36/Mas/76 filed February 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims. No drawings

A process for the removal of arsenic from the waste effluent water obtained from Giammarco Vetrocoke process comprising passing the effluent through an acidic polystyrene based cation exchanger in hydrogen form, followed by degassing the effluent thus freed from potassium ions by aeration and passing the resultant liquid which is freed from carbon dioxide through a basic polystyrene based anion exchanger in hydroxide form to adsorb the arsenious ions, the said arsenious ions being ent water obtained from Giammarco Vetrocoke process comcentration between 0.5 to 0.6 M.

CLASS 191. 140720

Int. Cl.-B41j 1/00.

IMPROVEMENTS IN OR RELATING TO PRINTING MACHINES.

*Applicant* : SCM CORPORATION, OF 299 PARK AVENUE, NEW YORK, NEW YORK 10017, U.S.A.

*Inventors* : DONALD SONKE PERRY, RICHARD EUGENE SHATTUCK, WYLAND LAVERN FOWLER AND HANS MUELLER.

Application No. 1343/Cal/73 filed June 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A printing machine having a print element, means for mounting a ribbon in the printing machine, the ribbon mounting means having projecting members to hold a portion of the ribbon between the projecting members, a first bellcrank pivotally mounted in the printing machine and engaging the ribbon mounting means, a cam follower, means for connecting the cam follower to the first bellcrank, means for imparting motion, a cam connected to the motion imparting means and engaged by the cam follower to oscillate the projecting members to move the portion of the ribbon held by the projecting members from a home position to a print position for impact by the print element to print on a record medium and a rotor in contact with the ribbon characterised by a second bellcrank having a cam arm and a feed pawl and pivotally connected to the first bellcrank for actuation by the first bellcrank, the cam arm of the second bellcrank having a cam slot engaging a stud rigidly mounted in the printing machine and the feed pawl of the second bellcrank positioned to engage the rotor to feed the ribbon during oscillation of the projecting members.

CLASS 52B & 148E & H. 140721

Int. Cl.-B41b 17/06.

IMPROVEMENTS IN OR RELATING TO MONTAGE OR LIGHT TABLES FOR USE IN PICTURE COMPOSING TECHNIQUES.

*Applicant & Inventor* : LEONARD KAY BILLOWS, OF 1, LONGDEAN PARK, HAMEL HEMPSTEAD, HERTFORDSHIRE, ENGLAND.

Application No. 1846/Cal/73 filed August 9, 1973.

Convention date August 9, 1972/(37178/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A montage or "light" table comprising a structure having side members mounted for movement along parallel sides of the table, a cross member connected between the side members, guide surfaces on the cross member, and a punch mechanism mounted upon the guide surfaces for movement along the cross member, the punch mechanism comprising a hollow cutting punch and means for reciprocating the hollow cutting punch to effect a punching operation by cutting.

CLASS 123. 140722

Int. Cl.-C05d 1/02.

A PROCESS FOR PREPARING A COMPOSITE FERTILIZER CONTAINING NITROGEN, POTASSIUM AND PHOSPHOROUS.

*Applicant* : KRISHNASWAMY NARAYANAN, SPECIAL SECRETARIAT TO GOVERNMENT OF KERALA, INDUSTRIES DEPARTMENT, GOVERNMENT SECRETARIAT, TRIVANDRUM, DR. PULLUKAT THOMAS JOSEPH, DIRECTOR, INDUSTRIAL TESTING AND RESEARCH LABORATORY, TRIVANDRUM-19.

*Inventor* : DR. PULLAKAT THOMAS JOSEPH.

Application No. 196/Mas/73 filed December 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims. No drawings

A process for preparing a synthetic fertilizer containing nitrogen, phosphorus and potassium comprising;

(i) preparing saturated solutions of diammonium hydrogen phosphate and potassium chloride separtely;

(ii) reacting the said saturated solution of diammonium hydrogen phosphate with the saturated solution of potassium chloride in a ratio of 1 : 1, and cooling the said reaction mixture;

(iii) separating the crystals from the cooled reaction mixture by conventional methods, and prilling the same with finely powdered china clay by conventional method.

CLASS 50B & F. 140723

Int. Cl.-F24b 5/00.

AIR AIR CONDITIONER.

*Applicant & Inventor*: PRAVIN AGARWAL, OF 4/12, ROOP NAGAR, DELHI-7, INDIA.

Application No. 2767/Cal/73 filed December 19, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An air conditioner having a blower characterized in a accumulator and absorber adapted to store a liquified refrigerant and absorber therein respectively, a water jacket or coils surrounding said accumulator and absorber for the passage of water at an elevated temperature there through and such as to convert the liquified refrigerant into a vaporized state, a condenser connected to said accumulator and whereby the vaporized refrigerant is converted to a liquified state, said condenser having a refrigerant outlet connected to an expansion joint or nozzle housing whereby the liquified refrigerant is cooled and cooling coils connected to said expansion joint or nozzle housing.

CLASS 33A. 140724

Int. Cl.-B22d 13/00.

CENTRIFUGAL DIE CASTING MACHINE.

*Applicant & Inventor*: K. S. PATIL, FLAT NO. 9, DWARAKA APARTMENT, MUKUNDNAGAR, POONA-9, STATE OF MAHARASHTRA, INDIA.

Application No. 57/Bom/75 filed March 6, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A centrifugal die casting machine comprising a centrally mounted vertical shaft, a bottom plate and a top plate for holding a number of dies there between, a top beam and a bottom beam for mounting the said vertical shaft with means for driving the said vertical shaft, said base plate being secured to the said vertical shaft, the top and the bottom plates being removably secured to each other, such that the vertical shaft, he top plate and the bottom plate holding the dies form one rotatable unit, each of the dies being removably fitted between said top plate and said bottom plate.

CLASS 7 & 67A & C & 206F. 140725

Int. Cl.-G01S 11/00, G08b 5/22, H04b 1/44.

A MULTI-PURPOSE ELECTRONIC DEVICE.

*Applicant & Inventor*: LOYN MOON SHABBIR, OF 61-63, SUTAR CHAWL, BOMBAY-400 002, MAHARASHTRA, INDIA.

Application No. 70/Bom/75 filed March 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A multi-purpose electronic device comprising a transmitter and a receiver, each packed in an independent case, said transmitter consisting of a tuned oscillator, a power pack provided with a switch for feeding d.c. input to said oscillator, a bias adjust for determining the power of the output signal from said tuned oscillator and a transmitting antenna; said receiver consisting of a receiving antenna for picking up the output signal from said transmitting antenna, a tuned r.f. amplifier coupled to said receiving antenna and tuned to the frequency of said output signal, a detector to which the r.f. amplifier output is fed to produce a.d.c. bias output proportional to said output signal, a controlled oscillator to which said d.c. bias output from the detector is fed through a comparator, a switching device and/or an audio and/or a visual alarm operable by said controlled oscillator, a bias setting means which feeds a fixed bias input signal to the comparator so that the controlled oscillator is actuated only when the detected d.c. signal fed to the comparator from said detector falls below or increases above this fixed bias input; a.d.c. power pack provided with a switch for supplying d.c. power to each said r.f. amplifier, detector, bias setting means and said controlled oscillator.

CLASS 128G & K. 140726

Int. Cl.-A61b 17/18.

AN IMPROVED BONE STAPLER AND STAPLE CARRIER.

*Applicant & Inventor*: DR. DEBABRATA MUKHOPADHYAY, OF 39 D-II, J. C. BOSE AVENUE, DURGAPUR-713205, DISTRICT BURDWAN, WEST BENGAL.

Application No. 1061/Cal/76 filed June 17, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A bone stapler comprising a body formed with a pistol grip at its upper end and an enlarged heat at its lower end, a slot formed in the said head and opening downwardly, an axial passage extending from the upper end of the slot through the said body to the upper end thereof, a plunger rod passing through the said slot and secured to its lower end to a plate located in the slot, a knurled head secured to the upper end of the said plunger rod, a spring actuated mechanism adapted to hold a staple in the said slot and consisting of a steel ball projecting partly into the said slot and a helical spring seated in a lateral passage in the lower part of the head and secured therein by a screw, the ball being arranged to permit ejection of the staple in the slot when pushed down by the plate forced down by the plunger rod and also a staple extractor having its anterior end bevelled and secured to the body.

CLASS 40C. 140727

Int. Cl.-C10m 1/40.

PROCESS FOR PREPARING BASIC ALKALI SULFONATE DISPERSIONS.

*Applicant*: THE LUBRIZOL CORPORATION, P.O. BOX 3057 EUCLID STATION CLEVELAND, OHIO 44117, UNITED STATES OF AMERICA.

*Inventor*: LAURENCE EIDON KING.

Application No. 2587/Cal/73 filed November 23, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings

A process for the preparation of stable oil-soluble dispersions of basic alkali sulfonates having metal ratios as herein described of at least about four which comprises intimately contacting;

(A) acidic gaseous materials selected from the group consisting of carbon dioxide, hydrogen sulfide, sulfur dioxide, or mixtures thereof, with

(B) a reaction mixture comprising

(i) one or more oil-soluble sulfonic acids or derivatives thereof selected from the group consisting

of metal salts, ammonium salts, amine salts, esters and acid anhydrides, succeptible to overbasing,

(ii) one or more alkali metals or basically reacting alkali metal compounds,

(iii) one or more lower aliphatic alcohols having upto 8 carbon atoms, and

(iv) one or more oil-soluble carboxylic acids or derivatives thereof selected from the group consisting of anhydride, esters, amides, imides, aminidines, metal salts and mixtures of these;

for the acidic gaseous material and the components of the reaction mixture to form the desired dispersions of basic alkali sulfonates having the desired metal ratios; wherein the ratio of equivalents of the carboxylic acid component (iv) to equivalents of the sulfonic acid component (i) is in the range of from about 1 : 1 to about 1 : 20; the ratio of equivalents of the alkali component (ii) to equivalents of sulfonic acid component (i) is at least 4 : 1; and the ratio of equivalents of the alcoholic component (iii) to equivalents of the sulfonic acid component (i) is in the range of from about 1 : 1 to about 80 : 1.

CLASS 104K. 140728

Int. Cl.-B29h 19/06.

A METHOD OF PREPARING FINELY-DIVIDED VULCANISED RUBBER.

*Applicant* : RUBBER AND PLASTICS RESEARCH ASSOCIATION OF GREAT BRITAIN, OF SHAWBURY, SHREWSBURY, SHROPSHIRE, ENGLAND.

*Inventors* : TIMOTHY CHARLES PHILIP LEE AND WILLIAM MILLNS.

Application No. 2812/Cal/73 filed December 26, 1973.

Convention date January 2, 1973/(146/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings.

A method of preparing a finely-divided vulcanised rubber which comprises the steps of :—

(1) containing vulcanised rubber with a fatty acid, such as herein described

(2) contacting the product of step (1) with a solid alkali such as herein described, and

(3) forming a dispersion of the product of step (2) with a liquid such as herein described which dissolves the alkali but does not affect the rubber, and if desired, converting in a manner such as herein described the finely divided product into a vulcanisate as defined hereinbefore.

CLASS 14B. 140729

Int. Cl.-H01m 21/00.

A METHOD OF MANUFACTURING ELECTRIC DRY CELLS OF A PAPER-LINED CONSTRUCTION AND AN ELECTRIC DRY CELL MANUFACTURED BY SAID METHOD.

*Applicant* : ESTRELA BATTERIES LTD., PLOT NO. 1, DHARAVI, POST BAG NO. 6602, MATUNGA, BOMBAY-19, MAHARASHTRA, INDIA.

*Inventor* : HIMATLAL NAGARDAS DOSHI.

Application No. 427/Bom/74 filed December 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

11 Claims

A method of manufacturing an electrical dry cell of a paper-lined construction, comprising : introducing a separator into an anode metal cup of an initial diameter larger than the standard value; providing an insulator or spacer at the bottom of said anode metal cup; introducing a cathodic mass moulded into the form of a mix cylinder into said metal cup; reducing the diameter of said metal cup by a cold forming operation to the standard value; inserting axially a carbon rod at the centre of said mix cylinder so that said mix cylinder expands radially and establishes firm contact between the mix cylinder and the anode metal cup through the separator and thereafter sealing the top end of said cell in a known manner.

CLASS $32F_1$ & $F_2c$ & 60X, 140730
Int. Cl.-C07c 125/06.

A METHOD FOR THE STABILIZATION OF 4-CYANO-2, 2-DIMETHYLBUTRYALDOXIME-N-METHYLCARBAMATE.

*Applicant* : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

*Inventor* : WILLIAM ARTHUR HENDERSON, JR.

Application No. 592/Cal/75 filed March 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

A method for the stabilization of 4-cyano-2, 2-dimethylbutyraldoxime-N-methylcarbamate which comprises reacting said carbamate with a metal halide wherein said metal is copper, cobalt or zinc.

## OPPOSITION PROCEEDINGS

An opposition has been entered by Shalimar Industries Private Limited to the grant of a patent on application No. 139140 made by N. P. Kinariwala Private Limited.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

138270 138274 138275 138277 138278 138279 138280 138281 138282 138285 138286 138288 138290 138291 138293 138296 138297 138306 138307 138312 138319 138320 138322 138323 138326 138327 138328 138332.

(2)

138400 138402 138405 138413 138414 138416 138417 138418 138420 138422 138426 138429 138430 138431 138433 138434 138435 138438 138439.

(3)

138440 138441 138442 138446 138449 138452 138453 138454 138456 138458 138460 138461 138462 138463 138464 138465 138466 138467 138470 138471 138472 138473 138475 138476 138479 138481 138482 138484 138485.

(4)

138397 138487 138494 138497 138508 138512 138514 138516 138519.

(5)

138580 138581 138582 138583 138584 138585 138587 138588 138589 138591 138592 138593 138595 138596 138597 138598 138601 138607 138609 138611 138614 138615 138617 138619 138620.

(6)

138488 138489 138491 138493 138496 138498 138499 138500 138501 138503 138504 138507 138509 138510 138511 138513 138517 138518 138520 138521 138522 138523 138524 138527 138528.

## PATENTS SEALED

116995 130610 133226 138362 138541 138544 138548 138556
138581 138598 138600 138606 138610 138611 138616 138632
138650 138677 138700 138703 138705 138708 138710 138712
138713 138722 138724 138725 138729 138730 138741 138745
138786 138791 138792 138802 138809 138812 138814 138816
138826 138828 138829 138836 138846 138847 138851 138853
138872 138881 138882 138891 138893 138894 138901 138904
138912 138976 138979 138980.

## CORRECTION OF CLERICAL ERRORS UNDER SECTION-78

The title of the application and specification of the application for patent No. 138469 the acceptance of the complete specification of which was notified in the Part-III, Section-2, of the Gazette of India dated the 7th February 1976 has been corrected under sub-section (3) of the Section-78 of the Patents Act, 1970.

## CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by Sunshine Lamp Industries Private Limited under Section-20(1) of the Patents Act, 1970 to proceed the application for Patent No. 139507 in their name has been allowed.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by "The Upjohn Company" in respect of patent application No. 135616 as advertised in Part III, Section 2 of the Gazette of India dated the 3rd July, 1976 have been allowed.

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

101847.—M/s. Australian Gypsum Limited.

121335.—M/s. Dainippon Jockugiku Co. Ltd.

130653.—M/s. Electronor Corporation.

135482.—M/s. Stanadyne, Inc.

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1975 generally on account of want of requests for licences to work the patented inventions, persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

**LIST No. 3**

| Sl. No. | Patent No. | Date of Patent | Name & address of the Patentee | Brief title of the invention |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| 1. | 126353 | 24-4-1970 | Leningradsky of Sverdlovskaya of morezhnay, 18, Leningrad, USSR. | Profile flat tooth milling outter. |
| 2. | 126829 | 27-5-1970 | Vserojuzny Nauchno-Issledovotelsky Instutyt Electrotermi cheshogs Oberudovania, USSR. | Device for heat treatment of flat metal bodies. |
| 3. | 129687 | 12-12-1970 | Midland-Ross Corporation, 55 Public Square, Cleveland, Ohio 44113. | Railway car coupler. |
| 4. | 129741 | 26-12-1970 | Wilhelm Stahlecker GmbH, 7341 Reichenbach, Wuerttemberg, West Germany. | Twin top rollers or drafting systems of spinning machines and method of producing the same. |
| 5. | 130697 | 23-3-1971 | Midland-Ross Corporation, 55 Public Square, Cleveland, Ohio 44113. | Railway car coupler. |
| 6. | 130743 | 26-3-1971 | OY Tampella AB, Tampere, Finland. | Device for unlocking traction unit particulary with vehicles. |
| 7. | 130752 | 27-3-1971 | Sperry Rand Corporation, Crooks & Malpe Rd., Troy, Michigan 48084, U.S.A. | Axial piston pump. |
| 8. | 130768 | 29-3-1971 | Medical Testing Systems, Inc. 9601, Wishire Blvd, Beverly Hills. California, U.S.A. | Clinical specimen collecting implement. |
| 9. | 120808 | 1-4-1971 | Shell International Research Maatschappij B.V., 30 Carel van Bylandtlaan, The Hague, The Netherlands. | Apparatus for affecting the intimate mixing of two gaseous streams. |
| 10. | 130820 | 2-4-1971 | USS Engineers and Consultants Inc; 525 Willam Penn Place, Pittsburgh, Pennsylvania, U.S.A. | Apparatus for hoisting and positioning ladles. |
| 11. | 130822 | 2-4-1971 | Imperial Chemical, Industrial Ltd.; Imperial Chemical House, Millbank, London S.W. 1, England. | Explosive Cartridge case for under water blasting. |
| 12. | 130827 | 2-4-1971 | Scandia Packaging Machinery Co.; 500 Belleville, Turnpike North Arlingtan, New Jersey 07032, U.S.A. | Wrapping machine. |
| 13. | 130828 | 3-4-1971 | Mangat Lal Malhotra, 16 Hill Park, Malbar Hill, Bombay-6, India. | Cigarette case with single tough cigarette ejector. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 14. | 130834 | 3-4-1971 | Borgs Fabriks Aktiebolag, Norrhoping, Sweden. | Apparatus for regulating the driving torque & energy absorption in absorption devices. |
| 15. | | | | |
| 16. | 130844 | 5-4-1971 | Wheelabrator Frye Inc, Mishawaka, Indiana, U.S.A. | Centrifugal blasting wheel and blade. |
| 17. | 130890 | 7-4-1971 | Girling Ltd., Kings Rd., Tryseley, Birmingham 11, England. | Disc brakes for vehicles. |
| 18. | 130900 | 8-4-1971 | Envirotech System Inv; 100 Valley drive, Brisbane, California, U.S.A. | Heat treating sewage sludge and lime sludge. |
| 19. | 130926 | 19-7-1971 | Sarvodaya, Industries, 30, Digvijay Plot, Jamnagar, Gujarat, India. | Rising butt hinges. |
| 20. | 130979 | 14-4-1971 | Philip Morris Inc., 100 Park Avenue, New York, N.Y. 10017, U.S.A. | Safety raxor embodying blade, pressure control. |
| 21. | 131013 | 17-4-1971 | Manuel Punsola Fabregat, P.O. Box 589, Portola Street 14, Barcelona Spain. | Wiping ring or piston ring. |
| 22. | 131033 | 19-4-1971 | Sergei Zinovievich, Vasiliev of Gogolevsky bulvar 8, KV, 50, Moscow, USSR. | Absorber. |
| 23. | 131057 | 21-4-1971 | Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1. India. | Radient heating plates for free drying plants or other driers using radient heating. |
| 24. | 131058 | 21-4-1971 | USS Engineers and Consultants Inc; 525 William, Penn Place, Pittasurgh, Pennsylvania, U.S.A. | Slidable gate construction for use as a closure an a bottom pour vessel. |
| 25. | 131059 | 21-4-1971 | Girling Ltd., Kings Road, Tryseley, Birmingham, 11, England. | Brake adjuster mechanism for drum brakes. |
| 26. | 131081 | 22-4-1971 | Ruti Machinery Works Ltd., CH-8630, Ruti, Zurich, Switzerland. | Arrangement forholding weft threads |
| 27. | 131083 | 22-4-1971 | Alexei Andreevich Tupolevet, Utlitsa Stanislavskaya, 15, KV, 25, Moscow, U.S.S.R. | Device for balancing an air-plane during take-off and landing. |
| 28. | 131085 | 23-4-1971 | Council of scietnfic and Industrial Research, Rafi Marg, New Delhi-1. India. | A hand operated bellow pump. |
| 29. | 131103 | 24-4-1971 | Imasco Ltd.,4, Westmount Square, Montreal 216, Quebec, Canada. | Pneumatic separator with re-circulation of air. |
| 30. | 131120 | 26-4-1971 | John Herold Barwell, 13, Cranmer Road, Cambridge, Cambridgeshire, England. | Apparatus for applying thread materials to tyre or wheel. |
| 31. | 131127 | 26-4-1971 | Tsentranly N. Issledovatdsky, Prospect Kalinina 5, Moscow, U.S.S.R. | Air conditioning Installation. |
| 32. | 131140 | 27-4-1971 | Joseph Lucas (Industries) Ltd., Great King St., Birmingham 19, England. | Supressors for road vehicles. |
| 33. | 131154 | 27-4-1971 | Kharkoski Aviatsionny Institut, Kharnor 84, U.S. S.R. | Device for cutting moving ingots, |
| 34. | 131192 | 30-4-1971 | Bekum Maschinenfabriken GmbH, 1, Berlin, 42, Lankwitserstrasse, 14-15, Federal Republic of Germany. | Method of manipulating moulded synthetic plastic articles and surplus material. |
| 35. | 131201 | 1-5-1971 | Reinar Schmidt and Enc Schmidt, Skyttagatan 5-7, 77101 Ludvika, Sweden. | A thread cutting device for slide lathes. |
| 36. | 131206 | 3-5-1971 | Marcona Corporation, One Meritime Plaza, San Francisco, California, U.S.A. | Apparatus for loading slurries in vessels and eliminating the suspended liquids. |
| 37. | 131221 | 4-5-1971 | Leningradsky Mettalichesky Zavod, Imeni XXII Siezda KPSS, Sverdlovskaya, Naberezhnaya 18, Liningrad, U.S.S.R. | Arragement for milling multifaced holes with an even number of faces. |
| 38. | 131222 | 4-5-1971 | William Pryn Wereke, 519, Stolbery/Rhld, 2 Wieffaler St.,5-7, Federal Republic of Germany. | Manufacturing slide fastner by wearing. |
| 39. | 131242 | 5-5-1971 | Aktieselskabat Niro Atomizer, 305 Gladsaxevej, Soborg, Denmark. | Liquid distributor for feading liquid to rotating atomizer wheel. |
| 40. | 131246 | 5-5-1971 | Euclvid Inc, 2221, St. Clair Avenue, Cleveland, Ohio, 44117, U.S.A. | Exaust diverting valve for dumpable vehicles having heated dump bodies. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 41. | 131275 | 7-5-1971 | Y.S. Rao, Quarter No. type III, 87B, RDSO Colony, Lucknow-5, India. | A rail fasterning assembly. |
| 42. | 131329 | 12-5-1971 | Cheris Aka Chariloas George Massoures, 93, Illinois. Atehenes, Greece. | Gynecelogycal device for incertion in the womens, womb. |
| 43. | 131339 | 12-5-1971 | Cardweli Westinghause Co.,332, South Michigan, Avenue, Chicago, Illinois, 60604, U.S.A. | Sealed non spin hand brake arrangement. |
| 44. | 131348 | 13-5-1971 | Joseph Lucas (Industries) Ltd.; Great King St., Birmingham 19, England. | Method of inter connecting parts. |
| 45. | 131353 | 13-5-1971 | S.I. Chinose; 11-8, 4-chome, Shihohara, Jaitamachi, Nada-ku, Kobe-shi, Hyoao-ken, Japan. | A screen printing machines. |
| 46. | 131372 | 14-5-1971 | Skoda, Plazan Czechoslovakia. | Apparatus for limiting back flow of steam from a place of generation to a steam turbines. |
| 47. | 131385 | 17-5-1971 | Tor-Isteg Steel Corporation, 19 Rue, Aldringer, Luxembourg. | Reinforcement for reinforced concrete structure. |
| 48. | 131398 | 18-5-1971 | Sandvik Aktiebolag, Fack 5811 Sandviken 1, Sweden. | Boring bar insert. |
| 49. | 131416 | 19-5-1971 | Bayer Aktiengesellschaft, Leverkusen, Federal Republic of Germany. | Apparatus for drying rubber masses. |
| 50. | 131437 | 4-10-1971 | G. M. Kamra Suite No. B-35, 8735-165 Street, Edmonton, Alberta, Canada. | Cooking apparatus. |
| 51. | 131455 | 22-5-1971 | Maschinefabrik Augsburg-Nurnburg Katzwanger Strasse 101, Nurnbarg 2, West Germany. | Crankshaft assembly. |
| 52. | 131487 | 25-5-1971 | Mefina S.A.. 5, Route de Beaumont, Fribourg, Switzerland. | Pressure foot for sewing machine. |
| 53. | 131488 | 25-5-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Disc. brakes for vehcles. |
| 54. | 131491 | 25-5-1971 | Inplast Handelsgesellschaft mbH, 6 Frankfurtam main, Eschershiemir Landstrasse 16, West Germany. | A sports striking instrument. |
| 55. | 131492 | 25-5-1971 | Kharkovsky Aviatsionny Institut, Kharkoo 84, USSR. | Machine for working metals by impulses. |
| 56. | 131497 | 26-5-1971 | Borgs fabrik Aktiebolag, Noor koping, Sweden. | Device for restoring the re—tractable barrier after arresting an air craft. |
| 57. | 131499 | 26-5-1971 | USS Engineers and Consultants, Inc., 525 William Pennplace, Pittsburgh, Pennsylvania, U.S.A. | Device for shronding a steam of metal feened through slidable gate. |
| 58. | 131500 | 26-5-1971 | Avon Rubber Co. Ltd; Malksham, Waltshire, England. | Sealing a pipe joint. |
| 59. | 131503 | 26-5-1971 | Siemens AG; Berlin & Munich, West Germany. | A die suitable for use in the application of covering layer to wire. |
| 60. | 131518 | 28-5-1971 | Eisenwerk-Gesellschaft, Maximilianshutte mbH, Sulzbach Rosenbergh Hutta, West Germany. | Convertor for refining pig iron. |
| 61. | 131532 | 29-5-1971 | Dunlop Holdings Ltd, Dunlop House, Ryder St., James, London S.W. 1, England. | Pneumatic tyres. |
| 62. | 131533 | 29-5-1971 | Simms Motor Units Ltd., East Finchley, London, England. | Liquid fuel injection pumping apparatus. |
| 63. | 131546 | 31-5-1971 | Do. | Tyre mould. |
| 64. | 131560 | 1-6-1971 | Stanadyne Inc., Wilson, State of Connecticut, U.S.A. | Throwaway fuel oil filter cartridges |
| 65. | 131563 | 2-6-1971 | Glaverbel Mecaniver, 166, Chaussee da la Hulpe, Watermeal Boitsfort, Belgium. | Bending sheet blanks. |
| 66. | 131564 | 2-6-1971 | USS Engineers and Consultants Inc; 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A. | Rim stabilized steel ingots. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 67. | 131565 | 2-6-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Disc. brakes. |
| 68. | 131566 | 2-6-1971 | British Industrial Plastics Ltd., Asbestos House, 77/79 Fountain Street, Manchester, M2 2FA, England. | Selection means for the control system of an automatic machine. |
| 69. | 131569 | 2-6-1971 | Euclid Inc., 22221, St. Clair Avenue, Cleveland, Ohio 44117, U.S.A. | Exaust system for load dumping vehicles. |
| 70. | 131589 | 4-6-1971 | Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1, India. | An apparatus to count the number of wrap and weft yarns in clothes. |
| 71. | 131602 | 4-6-1971 | Emhart Corporation, 426 Colt Highway Farmington, Connecticute 06032, U.S.A. | System for inspecting liquid filed transparent container. |
| 72. | 131619 | 7-6-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Disc. brakes. |
| 73. | 131666 | 10-6-1971 | Keelavite Hydraulic Ltd., Allesley, Coventrx, Warwickshire, England. | Fuel tight annularsals. |
| 74. | 131677 | 11-6-1971 | Compret N.V. 16 Pauls Potterstraat, Amsterdam Z1, The Netherlands. | Physical exercisere. |
| 75. | 131678 | 11-6-1971 | Do. | Physical Exercise. |
| 76. | 131679 | 11-6-1971 | Bata Shoe Financial Corporation of Canada. Batawa, Ontario. | Matching and feeding stitchable compounds of shoe |
| 77. | 131691 | 14-6-1971 | Dunlop Holdings Ltd., Dunlop House, Ryder Street, St. Jame's, Loudon SW1, England. | Tyre and whseel assemblies. |
| 78. | 131692 | 14-6-1971 | Do. | Pneumatic tyres. |
| 79. | 131693 | 14-6-1971 | Do. | Pneumatic tyres. |
| 80. | 131723 | 15-6-1981 | The British International Ltd., Hammursmith, Aoux, London S.W. 6, England. | Enclosed transport container |
| 81. | 131726 | 15-6-1971 | Indian Institute of Science, Bangalore-12. | Design of grit chamber shapes to achieve desired velocity head relation. |
| 82. | 131737 | 16-6-1971 | Dunlop Holdings Ltd., Dunlop House,Ryder Street St. James, London, S.W. 1, England. | Tyre and wheel assemblies. |
| 83. | 131738 | 16-6-1971 | Do. | Tyre and wheel assemblies. |
| 84. | 131739 | 16-6-1971 | Do. | Pneumatic tyres. |
| 85. | 131740 | 16-6-1971 | Do. | Tyre and wheel assemblies |
| 86. | 131741 | 16-6-1971 | Do. | Tyre and wheel assemblies. |
| 87. | 131761 | 17-6-971 | Do. | Printers blankets. |
| 88. | 131778 | 18-6-1971 | Union Carbide Corporation, 270 Park Avenue, New York, New York 10017, U.S.A. | Arc tourch cutting process. |
| 89. | 171780 | 18-6-1971 | USS Engineer and Consultants Inc; 525 William Penn place, Pittsburgh, Pennsylvania, USA. | Tundish and method of preheating same. |
| 90. | 131781 | 18-6-1971 | Tor Isteg Steel Corporation, 19 Rue Aldringer, Luxemburg. | Reinforcement for reinforced concrete structure. |
| 91. | 131785 | 18-6-1971 | Tsentralnoe Konstructorskoe, Bjuro, Kolesnogo Proizvodstv, Chelyabinsk 12, USSR. | Tyre wheel rim for pnumatic. |
| 92. | 131789 | 18-6-1971 | Chief Scientist Research Development Organization, Ministry of Defence Govt. of India, New Delhi. | Mask for prevention of floating particles being inhaled. |
| 93. | 131800 | 19-6-1971 | Bayer Aktiengesellschaft, Leverkusen, Federal Republic of Germany. | Apparatus for continuous production of extruded sections. |
| 94. | 131823 | 22-6-1971 | Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1, India. | A simple heat exchanger for preheating the air in cupole. |
| 95. | 131828 | 22-6-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Lock actuators for vehicle brakes. |
| 96. | 131859 | 23-6-1971 | Nippon Kokan etc., 1-3, 1-chome, Otemachi, Ehiyodaku, Tokyo, Japan. | Operating a blast furnace with an auxiliary reducing gas. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 97. | 131860 | 23-6-1971 | JG Glass Industries, Pimpri, Poona-18, India. | Vacuum flask. |
| 98. | 131885 | 26-6-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Lining wear indicator. |
| 99. | 131886 | 26-6-1971 | Eurocom Establishment, Landstrasse 825, FU 9494 Schaan, Principality of Liechtenstein. | Device for playing learing a game. |
| 100. | 131904 | 29-6-1971 | Joseph Lucas (Industries) Ltd., Great King St., Birmingham 19, England. | Ancorage devices. |
| 101. | 131906 | 29-6-1971 | Kentradder Ltd., Longueville, St. Saviour Jersey, Channal Islands, England. | Machine for butting tyre threads. |
| 102. | 131946 | 12-4-1971 | S. V. Padmanabhan, C/o R.D.S.O. Ministry of Railway, Govt. of India. | Inductive vehicle vehicle detection system. |
| 103. | 131964 | 2-7-1971 | Dunlop Holdings Ltd., Dunlop House, Ryder St. James's, London, S.W. 1, England. | Pnumatic tyres. |
| 104. | 131969 | 2-7-1971 | V.N.I.I. Zembroinogo Mashinastroanias, Leningrad 1, Krasnornaistraya 11, USSR. | Centri-fugal suspension pump. |
| 105. | 131982 | 3-7-1971 | Kennedy van Saun Corporation, Beaver Street, Danville, Pennsylvania, U.S.A. | A grinding mill system. |
| 106. | 132008 | 6-7-1971 | The Markey Company, 5800 Foxridge, Drive, Mission Johnson County, Cansas, U.S.A. | Splash bar for cooling tower fill assembly. |
| 107. | 132010 | 6-7-1971 | Clark Equipment Co., Buchanan, Michigan, U.S.A. | A fluid control system for an engine. |
| 108. | 132027 | 8-7-1971 | Carrier Corpn, Syracuse, New York, U.S.A. | Motor compressor unit. |
| 109. | 132028 | 8-7-1971 | Do. | A cylinder block for motor compressor unit having discharge muffling means. |
| 110. | 132029 | 8-7-1971 | Do. | Hermatic motor compressor nut. |
| 111. | 132045 | 9-7-1971 | Universal Oil Products Co., 30 Algonquin Road, Des Plaines, Illinois, U.S.A. | Flow distributing apparatus. |
| 112. | 132058 | 9-7-1971 | Cardwell Westinghouse Co., 332 South Michigan Avenue, Chicago, Illinois, 60604, U.S.A. | Rail road car brake rigging arrangement. |
| 113. | | | | |
| 114. | 132111 | 14-7-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Lock actuators for vehicle wheel brakes. |
| 115. | 132117 | 14-7-1971 | I.R. Yoritomi, 5-17, 12 Kolshikawa, Bunkyo-ku, Tokyo, Japan. | Continuous squezing press of 'V' type |
| 116. | 132130 | 15-7-1971 | N.V. Bekaert S.A. Leo Bekeartstrasse, B-8550 Zwe-Vegem, Belgium. | Fastening the free ends of a twisted wire joint to an elongate member. |
| 117. | 132166 | 15-4-1972 | S. Nambiar, 25/1649, Trippumithura Road, Vyltila, Cochin 19, India. | Alternate umpeller rotary engine. |
| 118. | | | | |
| 119. | 132198 | 22-7-1971 | Sherritt Gordon Mines Ltd., 25 King Street, West, Toronto, Ontario, Canada. | Continuously determing the temperature of arc in the multiple hearth furnace. |
| 120. | 132214 | 23-7-1971 | Sherriti Gordon Mines Ltd., 25 King Street, West, Toronto, Ontario, Canada. | Sampling device for multiple hearth furnace. |
| 121. | 132216 | 23-7-1971 | Sealed power corporation, 2001 Sanford St., Muskegon, Michigan, 49443, U.S.A. | Spacir expenders. |
| 122. | 132218 | 23-7-1971 | Abildgard Lab., 857 Mande Avenue, Mountain View, California 94040, U.S.A. | An uncased book. |
| 123. | 132235 | 24-7-1971 | USS Engineers and Consultants Inc., 600 Grant Street, Pittsburgh, Pennsylvania, USA. | Socking pit. |
| 124. | 132244 | 30-5-1972 | Dr. P. Upadhyaya, Dept. of Peadiatric Surgery, All India Institute of Science, Ansare Nagare, New Delhi-16, India. | A cerebrospinal fluid shuting device. |
| 135. | 132306 | 30-7-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham-11. England. | Disc. brakes. |
| 126. | | | | |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 127. | 132322 | 2-8-1971 | Dulmison (Australia) Pty Ltd., 27-39 Chisholm Road, Sefton, New South Wales. | Vibration damper for cables. |
| 128. | 132328 | 23-6-1971 | Council of Scientific and Industrial Research Rafi Marg, New Delhi-1 India. | Spraying device. |
| 129. | 132330 | 2-8-1971 | Do. | Structural rod/flat bending device. |
| 130. | 132331 | 2-8-1971 | Vladimir Valerianovich,Kier Ulitza, Dymerokaya, 37 K. V. 1, USSR. | Transportation of information carrir. |
| 131. | 132340 | 2-8-1971 | Dowty Hydraulic United Ltd., Arle Court, Cheltenham, Gloucester, England. | Gearing and lubricating means. |
| 132. | 132349 | 3-8-1971 | British Leyland Truck and Bus Division Ltd. Layland, Lancashire, England. | Bogie suspension for vehicles. |
| 133. | 132351 | 3-8-1971 | USS Engineers and Consultants Inc; 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A. | Billet marking apparatus. |
| 134. | 132383 | 3-8-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham-11, England. | Fluid pressure operated braking device for vehicles. |
| 135. | 132394 | 5-9-1971 | Gruzinsky Politeknich Institute, Imeni, V-I Lenina, Tbilisi Ulitza Lenina 77, USSR. | Tea leaf roller. |
| 136. | 132405 | 6-8-1971 | Donngeorge Boyle and Robert Otto Osborn, 5972 Bowmiller Road, Lockport, New York, 14094 USA; and 2228 Cedar Crest Road, Richmond, Vergenid 23235, USA. | Flexible tubing particularly for irrigation system. |
| 137. | 132410 | 6-8-1971 | Parks Cramer Company, Box 444, Fitchurg, Massachusettes, USA. | Textile yarn forming machine data communicating apparatus. |
| 138. | 132411 | 6-8-1971 | Do. | Yarn piecing apparatus. |
| 139. | 132427 | 9-8-1971 | Brico Engineering Ltd., Holbrook Lane, Conventry, Warwickshire, England. | Fuel injector system. |
| 140. | 132460 | 11-8-1971 | C.A.V. Limited, Well Street, Birmingham 19, England. | Delivery valves for use in liquid fuel pumping apparatus. |
| 141. | 132494 | 13-8-1971 | R. Camus, 27 Avenue Fock, 75 Paris 16, France. | Reinforced concrete constrution panels. |
| 142. | 132497 | 13-8-1971 | Albertoni de Lemos Bloisi, Rue Batataise 333, 10th Floor, SQO, Paulo Brazil. | System for public opinion research. |
| 143. | 132504 | 16-8-1971 | The Broken Holl Proprietary Co. Ltd., Newcastle New South Wales 2300, Common-wealth of Australia. | Oxygen proble for the rapid measurement of oxygen activity in molton steel. |
| 144. | 132505 | 16-8-1971 | Brico Engineering Ltd., Holbrook Lane, Conventry, Warwick shire, England | Fuel injectors. |
| 145. | 132518 | 16-8-1971 | Dresser Investments, N.V., Willemsted, Curacao, Netherlands, Autillies. | Apparatus for mixing and modulating liqud fuel and intake air for internal combustion engine. |
| | | | **List No. 4** | |
| 1. | 128382 | 11-9-1970 | Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1. | A water vapour condenses for accelarated freeze drying plant. |
| 2. | 128858 | 17-10-1970 | Do. | Device for producing ultrasonic power. |
| 3. | 132542 | 17-8-1971 | Anchor Hocking Corpn., 109 Broad street, Lancaster, Ohio, U.S.A. | On line simulated impachtaster for glass container. |
| 4. | 132556 | 18-8-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham, England. | Vehicle brakes. |
| 5. | 132567 | 18-8-1971 | Leslie Gordan Hudson, Little Copped Hall, Epping Essex, England. | Apparatus for perforating tubes. |
| 6. | 132573 | 19-8-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Load transmitting struts. |
| 7. | 132574 | 19-8-1971 | Saunders Valve Company Ltd., Grange Road, Cwmbran, Monmouthshire, England. | Ball valve sealing assemblies. |
| 8. | 132581 | 19-8-1971 | Modular Wall Systems Inc; 4829, Belhavar, Boulevard, Charlotte, USA. | Precast Panel, building wali construction. |
| 9. | 132588 | 20-8-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Vehicles brakes. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 10. | 132591 | 20-8-1971 | Societe Technique Pour L & Utilisation De La Precontrainte Co. T.U.P.-Procedes Freyssinet 66 Route de la Reine, Boologne-Billancourt Hauts de Seine, France. | Expansion joint between two portions of ground covering. |
| 11. | 132627 | 23-8-1971 | Etablissement Salgas, Vaduz, Liechten stein. | Explosive device. |
| 12. | 132640 | 24-8-1971 | Sherritt Gordon Mies Limited, 24 Kings St., West, Torontol, Ontario, Canada. | Rotary joint. |
| 13. | 132641 | 24-8-1971 | Compret N.V., 16 Paulus Potter Streat, Amsterdam Z1, Holland. | Exercising apparatus. |
| 14. | 132659 | 25-8-1971 | USS Engineers and Consultants Inc., 600 Grant St., Pittsburgh, Pennsylvania, USA. | Method for effecting rapid heat treatment of steel plates. |
| 15. | 132661 | 25-8-1971 | Kangursky Mashinostroitelny Zavod, Kungur Parmskai, Ololasti, Utitsa, Prosvescheniya 11, USSR. | Turbodrill. |
| 16. | 132686 | 26-8-1971 | Frunzensky Politekhichesky institut, Ministastva, Noradnoga of Fruze, Prospect Miro 66, USSR. | A graphic answer input device for a teaching machines for graphic technique. |
| 17. | 132734 | 1-9-1971 | Brico Engineering Ltd., Hollbrook Lane, Conventry, Warwick shire, England. | Fuel injection system |
| 18. | 132737 | 1-9-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Automatic adjuster. |
| 19. | 132763 | 3-9-1971 | Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1, India. | Earth auger. |
| 20. | 132767 | 3-9-1971 | Vandervell Products Ltd, Nordon Rd., Maidenhead, Berk shire, England | Flanged half bearing. |
| 21. | 132792 | 6-9-1972 | USS Engineer and Consultants Inc. 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A. | Hot rolling with a simultaneusly lubrication of the hot steel work piece being rolled |
| 22. | 132817 | 5-6-1972 | A.A. Shah, Patel & Shah Bldgs., Nagari Exe Hospital, Ellisbridge, Ahemdabad-6, India. | Hinges. |
| 23. | 132832 | 8-9-1971 | USS Engineers and Consultants Inc; 600 Grant St., Pittsb urgh, Pennsylvania, USA. | An assembly for attachment to a bottom pour vessel for controlling flow of liquid through a nozzle. |
| 24. | 132834 | 8-9-1971 | Wieland Werke, AG, 7900 Ulm, Federal Republic of Germany. | Device in the pipe rolling machine for insertion of pipes. |
| 25. | 132835 | 8-9-1971 | Do. | Process of rolling ribled tubes. |
| 26. | 132836 | 8-9-1971 | Do. | Device for forming screw shaped ribes on tubular work piece. |
| 27. | 132838 | 8-9-1971 | Instranetics Inc, 1115, East Elm Avenue, Fullerston, California, USA. | Receiver fordisposable surgical implements. |
| 28. | 132842 | 8-9-1971 | Scandia Packaging Machinery Co., 500 Bellevile, Turnpike, North Arlington, New Jersey 07032, U.S.A. | Wrapping packages. |
| 29. | 132844 | 10-4-1972 | The South Indian Textile Research Association, Coimbatore Acrodrome P.O., Coimbatore-14, India. | Open and spinning of textile yarns. |
| 30. | 132857 | 9-9-1971 | Koninkrijke Nederlandsche Hoogovens-En Staalfa-briken N.V. Ijmididen, The Netherlands. | Controlling of the conveyance of loose bulk material. |
| 31. | 132866 | 10-9-1971 | Dunlop Holdings Ltd., Dunlop House, Ryder Street, St. James's London S.W. 1, England | Pneumatic tyres. |
| 32. | 132886 | 13-9-1971 | Mrs. Sarla Paul, 33 Subroto Park, New Delhi, India. | Device for accurately viewing distant object. |
| 33. | 132888 | 13-9-1971 | Schubert & Salzer Maschinenfabrik AG; Friedrich-Ebertstrasse 84, 8076 Ingolstadt, Germany. | Feeding device for fibre sliver apparatus. |
| 34. | 132928 | 16-9-1971 | Sherrit Gordon Mines Ltd., 25 King Street West, Toronto, Canada. | Pump control system. |
| 35. | 132932 | 16-9-1971 | Veb Polygraph, 59 Zweina undarferstrasse, Leipzig German Democratic Republic. | Rotory folding apparatus. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 36. | 132933 | 16-9-1971 | Do. | Sheet feeder apparatus for printing machine. |
| 37. | 132934 | 16-9-1971 | Do. | Printing machine. |
| 38. | 132945 | 16-9-1971 | Tollemache Enviroemental Engineers Ltd., 143 Maple Rd., Surbiton Surrey, England. | Ballastic separator pulverizer. |
| 39. | 132948 | 17-9-1971 | Thyssen Nieclerrhein, 42 Ober Housen, Essener Str 66, Federal Republic of Germany. | Shaft furnace. |
| 40. | 132963 | 18-9-1971 | Takata Kojiko Co. Ltd., No. 10 Mori Bldg., 28 Sakuragawacho, Nishikubo Shibam Mihato-ku, Tokyom Japan. | Production of relatiely rigid articles. |
| 41. | 132975 | 20-9-1971 | C.A. Norgen Limited, 192-198 Vauxhall Bridge Rd, London S.W. 1, England. | Fluid control units. |
| 42. | 132990 | 29-9-1971 | Sherritt Gordon Mines Ltd., 25 King Street West, Toronto, Ontario, Canada. | Device for directing downward flow of particulate materials. |
| 43. | 132991 | 21-9-1971 | G.W.B. Boilers Ltd., Burton Works, Dudley, Worcester, England. | Industrial boilers. |
| 44. | 133011 | 22-9-1971 | Frunzensky Politech etc., Frunze, Prospect Mura 66, USSR. | An encodor for teaching machine. |
| 45. | 133012 | 22-9-1971 | Do. | A graphic answer input device for teaching machine. |
| 46. | 133025 | 23-9-1971 | Scovill Manufacturing Co., Waterbury Country of New Haven, Connecticute, U.S.A. | Inert and core mechanism of pneumatic valve. |
| 47. | 133026 | 23-9-1971 | Scovill-Manufacturing Co., Waterbury County of New Haven, Connecticute, U.S.A. | Pneumatic valve insert. |
| 48. | 133027 | 23-9-1971 | Do. | Valves for tubeless tyres.. |
| 49. | 133036 | 5-12-1972 | The Textile & Allied Industries, Research Organization, Kala Bhavan, Borocla-1, Gujarat, India. | Open and spinning. |
| 50. | 133071 | 1-10-1971 | USS Engineers and Consultants Inc, 600 Grant Street, Pittsburgh, Pennsylvania, USA. | Continuously casting hallow rounds. |
| 51. | 133114 | 5-10-1971 | Sperry Rand Corporation, Crooks and Maple Rols, Troy, Michigan, 48084, USA. | Valve for fuids. |
| 52. | 133116 | 5-10-1971 | General Refractories Co; 1520 Locust Street , Philadelphia, Pennsylvania 19102, USA. | Structure for holding molten pig iron. |
| 53. | 133117 | 5-10-1971 | S.T.O. Societa Trasporti Ed Olcodo, SPA, Via Gustavo, Fara, 41, Milan, Italy. | Floating platform for vessel mooring. |
| 54. | 133146 | 6-10-1971 | Koninkijke Nederlandsche Hoogerens-En Staalfabriken N.V., Ijmuden, The Netherlands. | Communiuting dry material by crushing grinding or milling. |
| 55. | 133206 | 11-10-1971 | Pignone Sud S.P.A., 110 via Bruno Buozzi Bari, Italy. | Adjusting valve. |
| 56. | 133209 | 23-6-1972 | Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1, India. | Device for testing the mechanical strength of glass shells of bulbs of miners cap Lamps. |
| 57. | 133225 | 14-10-1971 | Lying Industries A/S, 7120 Leksvik, Norway. | Annular expanding ringstructure. |
| 58. | 133238 | 15-10-1971 | Cluett Peabody & Co. Inc., 433 River Street, Troy, New York, USA. | Compressively, shrinking simultaneously a plurality of layers of fabrics. |
| 59. | 133239 | 15-10-1971 | Jervis B. Webb Company, 9000 Alpine Avenue, Detroit, Michigan 48204, U.S.A. | Conveyor carriers. |
| 60. | 133260 | 18-1-1973 | Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1, India. | Lithographic printing plates. |
| 61. | 133262 | 19-10-1971 | Do. | A regulator for controlling the supplementary fuel flow in a diesel engine for compensating power loss at high altitudes. |
| 62. | 133270 | 19-10-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Disc brakes for vehicles. |
| 63. | 133284 | 20-10-1971 | Ro-Search Incorporated, Waynesville, North Carolina, USA. | Device for manufacture of footwear. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 64. | 133286 | 20-10-1971 | Rotary Hoes Ltd., Station Rd., West Hordon, Essex, England. | Agricultural machine. |
| 65. | 133287 | 20-10-1971 | Do. | Agricultural machine. |
| 66. | 133288 | 20-10-1971 | Do. | Agricultural machine. |
| 67. | 133321 | 22-10-1971 | Scientronc Instrument, 44/3, Regal Bldg., New Delhi-1. | Washing glass pipettsor like tubular apparatus |
| 68. | 133324 | 22-10-1971 | Ruti Machinery Works Ltd., CH-8630 Ruti, Zurich, Switzerland. | Holder for loom reed. |
| 69. | 133346 | 25-10-1971 | Mejina S.A., 5 Route dc Beaumont, Fribourg, Switzerland. | Sewing machine case. |
| 70. | 133354 | 20-10-1971 | Interwest General Corpn; 650 Kennecott Bldg., Salt Lake City, Utah, U.S.A. | Multilayer planar clement. |
| 71. | 133355 | 26-10-1971 | USS Engineers and Consultants Inc; 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A. | Continuous casting mold. |
| 72. | 133362 | 11-5-1970 | Minnesota Mining & Manufacturing Co., 3M Center, St. Paul, Minnesota 5510J, USA. | An assembly station for use in splicing of communication cables. |
| 73. | 133363 | 11-5-1970 | Do. | Prob member for varifying electrical connection to be used in splicing of communication cables. |
| 74. | 133379 | 27-10-1971 | Belokalitvensky Metallurgichesky Zavod Belaya katitua, Restovskoi, Oblasti, USSR. | Mould for the production of metal ingots. |
| 75. | 133380 | 27-10-1971 | Abex Corporation, 530 Fifth Avenue, New York, New York USA. | Disc brakes. |
| 76. | 133400 | 29-1-1973 | S. Goswami, 7/1 Lower Circular Rd., Calcutta-17, India. | Metal cooling the cutting edges razor blades and like instruments. |
| 77. | 133409 | 29-10-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Hydraulic braking system for vehicles. |
| 78. | 133413 | 30-10-1971 | Dunlop India Ltd., 57-B, Mirza Galib Street, Calcutta-16, India. | Wheels. |
| 79. | 133417 | 29-10-1971 | Kharkovsky Aviatsionny Institute, Kharkov, Ulitsa Chkalova 17, USSR. | Pulse piston device. |
| 80. | 133428 | 22-9-1972 | Hamel GmbH, 44 Munster/Westf Dehlweg 102, Federal Republic of Germany. | Thread braking device for double strand yarn spindles. |
| 81. | 133437 | 1-11-1971 | Dayco Corporation, 333 West First street, Dayton, Ohio 45402, USA. | Loom picker. |
| 82. | 133482 | 4-11-1971 | Deere & Co., Moline, Illinois, USA. | Process for finishing patterns and core boxes. |
| 83. | 133504 | 5-11-1971 | Cardwell Westinghouse Company, 332 South Michigan Avenue Chicago, Illinois 60604, USA. | Cushioning arrangement for rail road cars. |
| 84. | 133514 | 6-11-1971 | Svenska Aktiebolaget Broms regulator, Adelgaton 5, 21122 Malmo, Sweden. | Hydraulically operated cylinder piston unit. |
| 85. | 133526 | 8-11-1971 | Societe Technique Pour Utilisation De La Precont rainte, 66 Route de la Reine Boulogne Haute de Seine, France. | Elastic bearing device in particular for structures. |
| 86. | 133531 | 8-11-1971 | Viktor Vladimirovich, Vinogradov etc. Gorky, Ulitsa, Goncherovr, 4a KV 6, USSR. | Pneumatic relay. |
| 87. | 133535 | 8-11-1971 | Stanadyne Inc., Wilson, State of Connecticut, USA. | Fuel ijector. |
| 88. | 133545 | 9-11-1971 | National Trust Co. Ltd., 21 King street East, Toronto, Ontario,Canada. | Maling she. |
| 89. | 133546 | 9-11-1971 | Sperry Rand Corpn; Crooks & Muple Rd., Troy, Michigan 48084, USA. | Valve for fluids. |
| 90. | 133562 | 10-11-1971 | Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London S.W. 1, England. | Borehole loading nozzle suitable for loading boreholes with slurry explosives. |
| 91. | 133576 | 11-11-1971 | Philip Morris, Inc; 100 Park Avenue, New York, New York 10017, USA. | Blade dispenser. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 92. | 133578 | 11-11-1971 | International Computers Ltd., ICL House, Putney, London, S.W. 15, England. | Card gauge. |
| 93. | | | | |
| 94. | 133581 | 17-11-1971 | The Textile and Allied Industries Research orgnisation, Kala Bhavan Premisses, Baroda-1, Gujarat, India. | Buider motion mechanism for doubting manes. |
| 95. | 133598 | 12-11-1971 | United Aircraft Corporation, 400 Main street, East Hartford, Connecticut, USA. | Fuel cell system having a nutural circulation boiler. |
| 96. | 133603 | 12-11-1971 | Schubert & Salzer Maschinenfabrik AG, Friedrich-Ebert-strasse 84, 8076 Ingolstadt, Germany. | Apparatus for piecing up yarn in an open end spinning device. |
| 97. | 133643 | 16-11-1971 | L Taprogge, 4034 Angevmund Wachelderstrasse, 7, Federal Republic of Germany. | Filter device for separating solids from fluids flowing in pipes. |
| 98. | 133645 | 9-2-1973 | Snam Progetti S.P.A., 16 Milano, Italy. | Apparatus suitable for withstanding high internal pressure. |
| 99. | 133656 | 17-11-1971 | Mark Isaakonich Frenkel Leningrad, Ulitsa Karbshava, 6, Korpuo 2, KV, 20, USSR. | Uniflow value for compressors. |
| 100. | 133692 | 22-11-1971 | The Goodyear Tire & Rubber Co., Akron, Ohio, 1144, East Market Street, U.S.A. | A tire building mechanism and method of building a pneumatic fires. |
| 101. | 133693 | 22-11-1971 | The Laitram Corpn., P.O. Box 50699, New Orlean, Louisiana 70150, USA. | Module for constructing linked structures. |
| 102. | 133695 | 22-11-1971 | USS Engineers and Consultants Inc; 600 grant Street, Pittsburgh, Pennsylvania, USA. | Casting mechanism. |
| 103. | 133698 | 22-11-1971 | Midland Ross Corpn., 55 Public Square, Cleveland, Ohio 44113. | Knuckle type railway coupler. |
| 104. | 133784 | 29-11-1971 | USS Engineers and Consultants Inc; 600 Grant Street, Pittsburgh, Pennsylvania, USA. | Recuperative furnaces. |
| 105. | 133800 | 30-11-1971 | Sealed Power Corpn., 2001 Sanford Street, Muskegon, Michigan 49443, U.S.A. | Loading sleeves for use in piston. |
| 106. | 133817 | 1-12-1971 | Dr. Karl Ulrich Peddinghaus, 55 Wuppertal Barmen Obere Lichterplatzer Strasse 276, Federal Republic of Germany. | Hydro pneumatic piston and cylinder damping device. |
| 107. | 133832 | 2-12-1971 | Sperry Road Corpn; Crooks and Maple Roads, Troy, Michigan 48084, U.S.A. | Controlled relief valves. |
| 108. | 133838 | 3-12-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Fluid pressure control valve. |
| 109. | 133839 | 3-12-1971 | Do. | Fluid pressure control valve. |
| 110. | 133845 | 4-12-1971 | Industie Pirelli S. P. A.; Centre, Pirelli, Piazza Duca d' Aosta No. 3, Milan 20100, Italy. | Radial cord carcass tyre beads. |
| 111. | 133848 | 4-12-1971 | Kunststoffwerk Gebruder Anger GmbH & Co., Einsteinstrasse 104, 8 Munchen 80, Federal Republic of Germany. | Extruder. |
| 112. | 133861 | 7-12-1971 | Sprocket Properties Ltd., 32A; Cockerton Green Darlington Co. | Fluidised bed apparatus. |
| 113. | 133863 | 7-12-1971 | Sperry Rand Corporation, Crooks & Neple Rds, Troy, Michigan 48084, USA. | Pumps and motors. |
| 114. | 133884 | 8-12-1971 | Shell Internationale Research Maatschappij B. V. 30, Carel Van Bylandtlaan, The Hague, The Netherlands. | Mixing apparatus for gases. |
| 115. | 133901 | 9-12-1971 | Girling Ltd., Kings Road, Tyseley, Birmingham 11, England. | Fluid flow control valve. |
| 116. | 133916 | 10-12-1971 | Schubert ; & Salzer Maschinefabrik AG, Friedrich Eberstrasse, 84, 8076 Ingolstadt, Germany. | Control apparatus for textile machinery. |
| 117. | 133917 | 10-12-1971 | Do. | Stopping or starting on or more open-end spinning devices. |
| 118. | 133928 | 13-12-1971 | Showa Denko Kabushik Kaisha, No. 34, Shiba Mixanot-cho, Minato-Ku, Tokyo, Japan. | Sintered agglomerates. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 119. | 133934 | 14-12-1971 | Pipe Supports Ltd., Coronation Works, Hainge Road, Tividale Warley, Worcester, England. | Fire supports. |
| 120. | 133941 | 15-12-1971 | Wilhelm Stahlencker GmbH, 7341 Reichembach, West Germany. | Bearing unit for open and spining turbines. |
| 121. | 133944 | 15-12-1971 | Girling Ltd., Kings Rd., Tyseley, Birmingham 11, England. | Shoe drum brakes. |
| 122. | 133965 | 16-12-1971 | Andrew Joseph Toti, 311 West River Road, Modesto, California, USA. | Structural assembly joint. |
| 123. | 133966 | 16-12-1971 | Indian Oxygen Ltd., Ogygen House, P/34, Taratala Rd., Calcutta-53, India. | Improvements in compressed gas cylinder. |
| 124. | 133981 | 17-12-1971 | Mefina S.A., 5 Route de Beaumont, Fribourg, Switzerland. | Carrying case assemblies for an apparatus such as sewing machines and cine projectors. |
| 125. | 133982 | 17-12-1971 | Do. | Sewing machine. |
| 126. | 134002 | 18-12-1971 | General Electric Co., 2092 Maschen, Uber, Winsen, German Federal Republic. | Apparatus for maintaining constant volume flow rate in section pump. |
| 127. | 134007 | 20-12-1971 | Telephon-Und Telegraphen-Fabriks Aktiengesellschaft Kapsch & Sohne in Wien; Wagenselgasse 1, Wein XII, Austria. | Apparatus for jointing tubular thermoplastic container jacket. |
| 128. | 134013 | 20-12-1971 | Scovill Manufacturing Co., Waterbury, County of New Haven, Connecticut, U.SA. | Valves for pressuirable containers. |
| 129. | 134024 | 21-12-1971 | USS Engineers and Consultants Inc., 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A. | Rim stabilized steel ingots. |
| 130. | 134037 | 22-12-1971 | Andrew Joseph Toti, 311 West River Rd., Modesto, California, USA. | Strictural unit. |
| 131. | 134049 | 23-12-1971 | Svenska Aktiebolaget-Broms regulator; Adelgatan 4, 21122 Malmo, Sweden. | Pneumatic cylinder piston unit for railway brake raggings. |
| 132. | 134051 | 23-12 1971 | Joseph Lucas (Industries) Ltd., Great King Street, Birmingham 17, England. | Inlet manifolds for an internal combustion engine. |
| 133. | 134054 | 12-12-1971 | Gestetner Ltd., Fawley Rd., Tottenham, London N. 17, England. | Duplicating stencils. |
| 134. | 134055 | 24-12-1971 | Dunlop Holdings Ltd., Dunlop House, Ryder St., St. James's London, S.W. 1, England. | Wheels. |
| 135. | 134078 | 27-12-1971 | Cummins Engine Company, 1000 Fifth St., Columbus, Indiana, U.S.A. | Fuel injector. |
| 136. | 134085 | 27-12-1971 | General Electric Co. : 1 River Rd., Schenectady New York, U.S.A. | Rolling mill for rolling metal. |
| 137. | 134096 | 27-3-1973 | Snam Progetti S.P.A., C. Sovenezia, 16 Milano, Italy. | Pressure vessel. |
| 138. | 134102 | 28-12-1971 | Dresser Industries Ic., Republic National Bank Bldg., P.O. Box 718, Dallas, Texas 75221, U.S.A. | Apparatus for computing and indicating price of blended liquid. |
| 139. | 134120 | 4-8-1970 | Wetsinhouse Air Brake Company, Pittsburgh, Pennsylvania, U.S.A. | Propuision and braking control system for railway vehicles. |
| 140. | 134149 | 31-12-1971 | Igor Aloxandrovich Yastrebov etc. Kier Delegatsky Perevlok 10, KV., 1, USSR. | Means for transporting and laformaton carrier. |
| 141. | 134150 | 31-12-1971 | Gebruder Ortlinghaus, Wermelakrishen Kenthansey str, Gederal Republic of Germany. | Combined pressure operated clutch brakirg device. |
| 142. | 134173 | 3-1-1972 | Vsesojuzny Nauchno Issledovatelsky Institut Zemleroinogo Mashino stroenice, 1, Krashoarm elskaya ulitsa 11, USSR. | Suction dredger. |
| 143. | 134177 | 4-1-1972 | Chicago Pneumatic Tool Company, 5 East 44th St., New York, N.Y., US.A. | Pneumatic tool having combined nut running and crimping mechanism. |
| 144. | 134184 | 4-1-1972 | Kautex Werke Rainold Hagen, 5300, Bonn, Holzetere 1, West Germany. | Producing tubular bodies of thermo plastic resine materials. |
| 145. | 134220 | 7-1-1972 | Schubert & Salzer Maschinen fabrik AG., Friedrich Ebert strasse 84, 8076 Ingolstadt, Germany. | A fibrous material mixing apparatus. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 146. | 134222 | 7-1-1972 | Veb Polygraph, 59, Zweinoundarger Street, Leipzig, German Democratic Republic. | Printing machines. |
| 147. | 134283 | 14-1-1972 | USS Engineers and Consultants Inc; 600 Grant St. Pittsburgh, Pennsylvania, USA. | Apparatus for adjustment of side trimmer knife. |
| 148. | 134288 | 28-2-1972 | Ethicon Inc, Somerville, New Jersey. | Retention suture bridge. |
| 149. | 134291 | 15-1-1972 | Agfa Geavert N.V., 27 Septestraat, B2510 Mortsel, Belgium. | Production of a multilayer motion picture film containing magnetic recording stripes. |
| 150. | 134297 | 17-1-1972 | The Broken Hill Proprietary Co. Ltd., 500 Bourke Street, Melbourne, Victoria, Australia. | An easy opening closure. |

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patent is deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The date shown in the crescent brackets is the date of the patent.

No. and Title of the invention

129162 (10-11-70) Method for extracting nickel and cobalt values from laterite ore.

## RENEWAL FEES PAID

79800 79157 85437 85467 85547 85708 86044 90863 91098
91262 91289 91525 91620 91704 91886 96341 96462 96743
96810 96823 96834 96840 97124 97150 97202 97439 97476
97520 98491 102624 102868 102919 102936 103084 103177
107259 107710 107740 108226 108272 108405 108424 108480
108523 108524 108566 108626 108955 108960 109021 111232
112985 113541 113623 113692 113807 113830 113738 114033
114232 115364 117195 118401 118451 118513 118558 118822
118830 118857 118859 118860 118877 119080 119160 119167
119168 119209 119435 119540 120496 120796 121573 121606
121607 123458 123735 123736 123774 123913 123914 124032
124033 124137 124189 124190 124204 124249 124252 124357
124369 124376 124416 124443 124459 124565 124649 125052
125279 129164 129174 129180 129327 129378 129428 129495
129525 129531 129547 129562 129571 129649 129755 129932
131093 131268 131313 131315 131316 131349 131350 132275
133281 133405 133568 133625 133635 133836 133918 133949
133981 133982 134027 134028 134044 134139 134149 134418
134444 134825 135357 135647 135916 136032 136244 136685
136884 136995 137335 137526 137586 137834 138002 138042
138204 138274 138417 138422 138444 138558 138498.

(1)

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 99152 granted to Famatex G.m.b.H., for an invention relating to "Method of and apparatus for thermally treating for stabilizing woven or knitted fabric of fully synthetic fibres or filaments". The patent ceased on the 23rd April, 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III Section 2 dated the 4th December, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 11th February, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 110516 granted to Famatex G.m.b.H., for an intention relating to "Entering arrangement for fabric tentering machine". The patent ceased on the 4th May, 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 4th December, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 11th February, 1977, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed wih the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 134917 granted to The Gujarat Rubber Works Ltd., for an invention relating to "Improvement and modification in the method of manufacture of rubber cork or stopper or like and a mould therefor". The patent ceased on the 1st March, 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 4th December, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 11th February, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137620 granted to Delhi Cloth & General Mills Co., Ltd., for an invention relating to— "Improvements in or relating to the preparation of alkyl vinyl ethers". The patent ceased on the 26th August, 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 27th November, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with

the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 11th February, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application for restoration of patent No. 134231 dated the 10th January, 1972 made by Industrie Pirelli Societa Per Azioni on the 16th January 1976 and notified in the Gazette of India, Part III, Section 2 dated the 28th February 1976 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 144356. Crompton Greaves Limited, a Company registered under the Indian Companies Act, 1913, at Kanjur, Bhandurp, Bombay-78, Maharashtra, India. "Lighting devices". June 5, 1976 .

Class 1. No. 144411. Sri Binode Chandra Das, Utkal Type Foundry, Cuttack Orissa, Indian. "Type faces". June 18, 1976.

Class 1. No. 144436. Govindbhai Gordhanbhai Patel, of Nigo's Niketan, Patel Compound, 48-B, Lamington Road, (North), Bombay-8, State of Maharashtra, India, an Indian. "A burner". June 25, 1976.

Class 1. No. 144500. Champion Electrical Industries, Registered Partnership Concern, of 349/116, Supparous, Tikait Rai Talab Colony, Lucknow 226004, Uttar Pradesh, India. "Water pump". July 12, 1976.

Class 1. No. 144501. Champion Electrical Industries, Registered Partnership Concern, of 349/116, Supparous, Tikait Rai Talab Colony, Lucknow-226004, Uttar Pradesh, India. "Exhaust fan". July 12, 1976.

Class 1. No. 144529. Hyco Enterprises, A-24, Mayapuri Industrial Area, Phase-1, New Delhi-110027, India. "Comb cleaner". July 15, 1976.

Class 1. No. 144535. Satish Kumar Wassan, A-24, Mayapuri Industrial Area, Phase-1, New Delhi-110027, India, an Indian National. "Bonnet protection grill for two sheeler scooters". July 20, 1976.

Class 1. No. 144536. Indian Oxygen Limited, a Company incorporated under the Indian Companies Act, at Oxygen House, P-34, Taratala Road, Calcutta-700053, West Bengal, India. "Welding torch". July 20, 1976.

Class 1. No. 144555. Salins Welding & Engg. Works, (An Indian Proprietor firm) 11, Sitafalwadi Mount Road, Mazagaon, Bombay-400010, Maharashtra, India. "Door closure". July 26, 1976.

Class 1. No. 144565. Win Arts Industries, 89, Bhajipala Street, Bombay-400003, Maharashtra, an Indian Partnership Firm. "Door stopper". July 29, 1976.

Class 1. No. 144566. & 144568. Skill Products, 84/94, Central Studio House, Near Air Conditioned Market Tardeo, Bombay-34, Maharashtra State, an Indian Partnership Firm. "Keychain". July 29, 1976.

Class 3. No. 144067. Lucius Joshua Sunder Alberts, No. 314/D, 9-A, Main Road (Upstairs), 'V' Block, Jayanagar, Bangalore-560041, Karnataka State, South India, Subject of the Indian Republic. "Pedestal lamp shade". March 11, 1976.

Class 3. No. 144112. Proto Plastics, of Virwani Industrial Estate, Block No. 80, Western Express Highway, Goregaon, Bombay-400063, Maharashtra, India, an Indian proprietory concern. "Bibs". March 23, 1976.

Class 3. No. 144180. Lakme Limited, of Bombay House, Homi Mody Street, Bombay, Maharashtra, Indian, an Indian Company. "Lipstick container". April 19, 1976.

Class 3. No. 144190. Sharda Plastic Industries, 105/289, Shri Nagar, Kanpur, U.P. an Indian Proprietory concern. "Plastic balls". April 24, 1976.

Class 3. No. 144308. *Saru Enterprise*, C-3, Sona Udyog, P.P. Road, Andheri (East), Bombay-400069, Maharashtra State, an Indian Proprietory Firm. "Infusion set". May 21, 1976.

Class 3. No. 144309. Marvel, 27, Picket Cross Road, Bombay-400002, Maharashtra State, an Indian Partnership Firm. "Table Calender". May 21, 1976.

Class 3. No. 144419. Wearwell Footwear, 9/52, Kirti Nagar, New Delhi, Indian Partnership Concern. "The sole of footwear". June 21, 1976.

Class 3. No. 144442. Skill Products, 84/94, Central Studio House, near Air Conditioned Market, Tardeo, Bombay-400034, Maharashtra State, an Indian Partnership Firm. "Tumbler". June 29, 1976.

Class 3. No. 144499. Kajpal Plastic Industries, 303, Neelkanth, 98, Marine Drive, Bombay-400002, Maharashtra, India, an Indian Partnership firm. "Salt and pepper container". July 12, 1976.

Class 3. Nos. 144531 & 144532. Narayan Mondal, Indian, 17, Behalapara Lane, Calcutta-35, West Bengal, India. "Violin bridge". July 16, 1976.

Class 3. No. 144546. Plastic Arts & Teeceekem (India), an Indian Partnership firm, at Agarwal Estate, S. V. Road, Jogeshwari, Bombay-400060, Maharashtra, India, "Slip desk-cum-calendar-cum-penholder with pen." July 23, 1976.

Class 3. No. 144547. Plastic Arts & Teeceekem (India), an Indian Partnership firm, at Agarwal Estate, S. V. Road, Jogeshwari, Bombay-400060, Maharashtra, India. "Tray". July 23, 1976.

Class 3. No. 144554. Shako Plastic, (An Indian Proprietory firm) Gujarat Industrial Compound, Tilak Nagar, off aarey Road, Goregaon (East), Bombay-63. Maharashtra, India. "Cap of bottle". July 26, 1976.

Class 3. No. 144561. Surekha Printers, of 42, Municipal Industrial Estate, Clerk Road, Bombay-11 BC, Maharashtra, India, an Indian Proprietorship firm. "A bangle". July 27, 1976.

Class 3. No. 144564. Pams Industries, of Unit No. 9, Ground Floor, 4-B, Shanti Nagar, Vakola Santacruz East, Bombay-400055, State of Maharashtra, India. "Soap box". July 28, 1976.

Class 4. No. 144113. Proto Plastics, of Virwani Industrial Estate, Block No. 80, Western Express Highway, Goregaon, Bombay-400063, Maharashtra, a proprietory concern. "Bibs". March 23, 1976.

Class 4. No. 144181. Aggarwal Plastic Industries, a Partnership firm, of 1612, Hardhyan Singh Road, Karol Bagh, New Delhi-5, India. "Automirrors". April 19, 1976.

Class 4. No. 144363. Aerosol Services India Private Limited., an Indian Company incorporated under the Companies Act (Central Act I of 1956), at Cecil Court, Landsdowne Road, Bombay-400039, State of Maharashtra, India, "A glass bottle". June 9, 1976.

Class 6. Nos. 144360 & 144361. Leathermaster Syndicate, 52, Basti Nau, Jullunder City, Punjab State, An Indian Partnership firm. "Inflated leather balls". June 7, 1976.

COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 139092, 139093, 139127, 139158, 139575, 143398 Class 1.

Design No. 143399 Class 5.

Design No. 143400 Class 4.

Design No. 139283 Class 10.

Design Nos. 139145 & 139146 Class 11.

COPY RIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design No. 143398 Class 1.

Design Nos. 129443 & 143399 Class 3.

Design No. 143400 Class 4.

S. VEDARAMAN,
Controller-General of Patents, Designs and Trade Marks

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1976